

**INSTALLATION RESTORATION
PROGRAM (IRP)
SITE INVESTIGATION REPORT
FOR IRP SITE NO.4**

**VOLUME III
APPENDICES D-I**

**128th AIR REFUELING WING
WISCONSIN AIR NATIONAL GUARD
GENERAL BILLY MITCHELL FIELD
AIR NATIONAL GUARD BASE
MILWAUKEE, WISCONSIN**

MARCH 1996

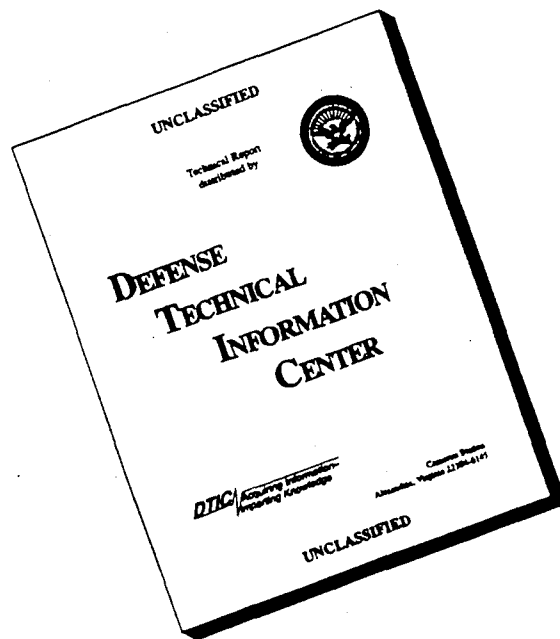


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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE March 1996		3. REPORT TYPE AND DATES COVERED Site Investigation Report
4. TITLE AND SUBTITLE Site Investigation Report for IRP Site No. 4, Wisconsin Air National Guard, 128th Air Refueling Wing, General Billy Mitchell Field, Milwaukee, Wisconsin - Volume III - Appendices D-I			5. FUNDING NUMBERS	
6. AUTHOR(S) NA				
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9. SPONSORING MONITORING AGENCY NAME(S) AND ADDRESS(ES) ANG/CEVR 3500 Fetchet Avenue Andrews AFB MD 20762-5157			10. SPONSORING MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) Site Investigation Report for IRP Site No. 4, Wisconsin Air National Guard, 128th Air Refueling Wing, General Billy Mitchell Field, Milwaukee, Wisconsin, Volume III - Appendices D-I. This is the third volume of a three volume site investigation report. One site (Site 4 - Base Drainage Ditch) was investigated under the Installation Restoration Program. Soil and groundwater samples were collected and analyzed. A Remedial Investigation was recommended to (1) further delineate the impacted soil and groundwater in the southern/southwestern area of the base and the area of Bailey's Pond, (2) determine background conditions for the soil and groundwater in the area, and (3) evaluate potential sources of contamination in the soils near Buildings 107 and 108.				
14. SUBJECT TERMS Installation Restoration Program; Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); Air National Guard; Site Investigation, Wisconsin Air National Guard; Milwaukee, Wisconsin			15. NUMBER OF PAGES 384	
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G - Grant	TA - Task
PE - Program Element	WU - Work Unit Accession No.

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**INSTALLATION RESTORATION
PROGRAM (IRP)
SITE INVESTIGATION REPORT
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**VOLUME III
APPENDICES D-I**

**128th AIR REFUELING WING
WISCONSIN AIR NATIONAL GUARD
GENERAL BILLY MITCHELL FIELD
AIR NATIONAL GUARD BASE
MILWAUKEE, WISCONSIN**

MARCH 1996

Prepared For
HQ ANG/CEVR
ANDREWS AFB, MARYLAND

Prepared By
Operational Technologies Corporation
4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253
(210) 731-0000

APPENDIX D
BORING LOGS

WISCONSIN ANGB

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-001PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/21/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	664.1 ft.

[illegible]

WISCONSIN ANGB

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-003PS

Project No.:	1315-139
Logged By:	K. Merino
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/20/94
Drilling Method:	Strataprobe


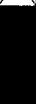

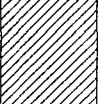
Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	664.1 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
5					Clay, silty, organic, soft, dark brown to black, slight moist, organic odor.	138	8.9	3.0	ND
					Clay, blocky, soft, brown, wet, no odor.	28.3	26.1	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

WISCONSIN ANGB

**OPERATIONAL TECHNOLOGIES
CORPORATION**

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/02/94	Surface Elevation:	ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
			X		Fill, clay, some gravel, soft, black.	3.0	-	-	-
					Clay, silty with gravel, firm, dark brown, wet at 2.5 ft.	12.8	-	ND	ND
			X		Clay, silty, firm, yellow brown to dark brown, wet.	-	-	-	-
5									
10									
15									
20									
Boring Terminated at 10.0 ft.									

O P T E C H
OPERATIONAL TECHNOLOGIES
C O R P O R A T I O N

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Ruben Portales	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	4.66 ft.
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	10/21/94	Surface Elevation:	664.7 ft.
Drilling Method:	Strataprobe		

[illegible]

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-007PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/24/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	12.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	667.2 ft.

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-008PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/24/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	15.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	667.8 ft.

[illegible]

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-009PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/24/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	667.9 ft.

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WISCONSIN ANGB





O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-010PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/25/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	668.5 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
5		40			Fill, clay, brown, dry, roots.	0.5	4.1	-	-
					Clay, trace of sand, black, dry, roots.	6.1	0.3	1.0	1.0
					Clay, soft, light gray with mottled brown, slightly moist.	1.3	0.4	ND	ND
					5.0- 5.4 ft. hard, soft below, gray color.	1.3	3.0	ND	ND
10		100			- moist at 8.0 ft.	1.8	3.6	ND	ND
					Boring Terminated at 10.0 ft.				

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CORPORATION**

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/01/94	Surface Elevation:	668.8 ft.
Drilling Method:	Strataprobe		

[illegible]

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**OPERATIONAL TECHNOLOGIES
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LOG OF BORING 04-012PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/01/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	699.8 ft.

[illegible]

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-014PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/01/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	670.0 ft.

[illegible]

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




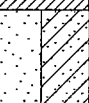
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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-015PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/01/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	668.3 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
5			  	  	Clay, silty at top, mottled olive and yellow brown, dense, plastic.	0.0	-	-	-
					Clay, plastic, firm, olive, dry.	18.7	-	ND	ND
					Sand, clayey.	-	-	389,000	ND
10					Boring Not Sampled From 5.0- 10.0 ft. BLS.				
15									
20									
					Boring Terminated at 10.0 ft.				

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CORPORATION**

LOG OF BORING 04-016PS

Project No.: 1315-139

Logged By: Andrew Raring

Drilling Co.: Target Drilling

Driller: C. Hawkins

Date Drilled: 11/02/94

Drilling Method: Strataprobe

Sampling Method: Drive Rod w/Brass Sleeves

Depth Drilled: 10.0 ft.

Depth To Water: NA

Date Measured: NA

Surface Elevation: 668.5 ft.

[illegible]

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O P T E C H

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-017PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/02/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	672.0 ft.

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/02/94	Surface Elevation:	671.1 ft.
Drilling Method:	Strataprobe		

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-019PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/27/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	669.3 ft.

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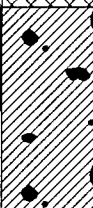
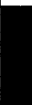
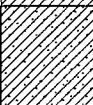
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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-020PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/26/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	670.4 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. .	100	 	 	Fill, clay, gravelly, hard, brown, dry, slight organic odor.	1.0	0.0	-	-
					Clay, some gravel and sand, gray to brown, dry.	18.2	42.3	ND	ND
		60	 	Clay, some sand, soft, gray, wet, strong gasoline odor.	229.0	780.0	4,630	801.0	
		Boring Not Sampled From 7.0- 10.0 ft. BLS.							
Boring Terminated at 10.0 ft.									





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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-021PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/27/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	672.5 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0 1 2 3 4 5	100			Fill, clay , some gravel, brown, dry, roots.	1.5	0.0	-	-
					Clay, hard, dry, black to gray, roots.	0.0	0.0	ND	ND
		100			Sand, coarse-grained to fine-grained, poorly sorted, light brown to gray, wet.	0.0	0.0	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-023PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/26/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.9 ft.

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	5.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/02/94	Surface Elevation:	
Drilling Method:	Strataprobe		

[illegible]

BILLY MITCHELL SI
WISCONSIN ANGB

O P T E C H
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CORPORATION

LOG OF BORING 04-025PS

Project No.: 1315-139	Sampling Method: Drive Rod w/Brass Sleeves
Logged By: Ruben Portales	Depth Drilled: 18.0 ft.
Drilling Co.: Target Drilling	Depth To Water: NA
Driller: C. Hawkins	Date Measured: NA
Date Drilled: 10/28/94	Surface Elevation: 671.2 ft.
Drilling Method: Strataprobe	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
60					Fil, clay, gravelly, dry, roots.				
					Sand, slightly clayey, poorly sorted, brown, dry, some angular gravel.	0.0	-	210.0	26.0
60					Clay, soft, dark greenish-gray, slightly moist.	0.0	0.0	52.0	20.0
50					Clay, slightly sandy, poorly sorted, soft, dry, some angular gravel.	0.0	0.0	8.0	5.0
80					Clay, hard, dry, gray, some angular gravel.	0.0	0.0	132.0	132.0
					Boring Not Sampled From 12.0- 18.0 ft. BLS.				
					Boring Terminated at 18.0 ft.				

[illegible]

WISCONSIN ANGB

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-027PS

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.4 ft.

[illegible]

WISCONSIN ANGB



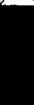
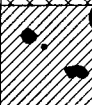




OPTECH

**OPERATIONAL TECHNOLOGIES
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LOG OF BORING 04-028PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/03/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.0 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		100			Fill, clay, some gravel, dry, brown.	2.3	-	-	-
					Clay, some gravel, hard, light brown to gray, dry.	143	132	57,800	ND
									
				Sand, medium-grained, moderately sorted, gray to black, wet, strong hydrocarbon odor.	1797	1725	169,000	ND	
						Boring Not Sampled From 7.0- 10.0 ft. BLS.			
					Boring Terminated at 10.0 ft.				

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LOG OF BORING 04-029PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/28/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.7 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	- -	10	  		Fill, clay and sand, brown, dry, some gravel and roots.	0.0	-	-	-
					Sand, medium-grained, moderately sorted, dry, light brown.	0.0	1.6	9.0	7.0
					Clay, hard, brown, dry. - some orange mottling.	0.6	0.8	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS. - wet.				
					Boring Terminated at 10.0 ft.				

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-030PS

Project No.: 1315-139

Logged By: **Ruben Portales**

Drilling Co.: Target Drilling

Driller: C. Hawkins

Date Drilled: 10/28/94

Drilling Method: Strataprobe

Sampling Method: Drive Rod w/Brass Sleeves

Depth Drilled: 10.0 ft.

Depth To Water: NA

Date Measured: NA

Surface Elevation: 672.4 ft.

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-031PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/02/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.4 ft.

[illegible]

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-032PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/02/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.1 ft.

[illegible]

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CORPORATION

LOG OF BORING 04-033PS

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/03/94	Surface Elevation:	672.0 ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0 1 2 3 4 5					Fill, sand, clay, silt and gravel, black to yellowish-brown, dry.	0.0	-	-	-
					Clay, silty, yellow brown.	0.0	0.0	2.0	2.0
					Sand, clayey, slightly plastic, yellowish-brown.	0.2	0.0	1.0	1.0
					No Recovery.	-	-	-	-
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10 15 20					Boring Terminated at 10.0 ft.				

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-034PS

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	11/03/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	10.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.0 ft.

[illegible]

WISCONSIN ANGB

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-035PS

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Ruben Portales	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	10/29/94	Surface Elevation:	670.5 ft.
Drilling Method:	Strataprobe		

[illegible]

WISCONSIN ANGB

**OPERATIONAL TECHNOLOGIES
CORPORATION**

Project No.:	1315-139	Sampling Method:	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	Depth Drilled:	10.0 ft.
Drilling Co.:	Target Drilling	Depth To Water:	NA
Driller:	C. Hawkins	Date Measured:	NA
Date Drilled:	11/03/94	Surface Elevation:	671.3 ft.
Drilling Method:	Strataprobe		

[illegible]

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**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-038PS

Project No.:	1315-139
Logged By:	Ruben Portales
Drilling Co.:	Target Drilling
Driller:	C. Hawkins
Date Drilled:	10/29/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	12.0 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	673.8 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
0	-	100	X		Asphalt.	0.0	-	-	-
					Fill, gravel and concrete mixture, white, dry.	0.0	0.0	18.0	ND
					Clay, sandy, soft, brown with mottled orange, dry.				
5	-	50	X		Sand, gravelly, coarse-grained, moderately sorted, with coarse-grained angular rock fragments, light brown, slightly moist.	0.0	0.0	ND	ND
10	-	70			Clay, wet, brown. - sandy.	0.0	0.0	ND	ND
Boring Terminated at 12.0 ft.									

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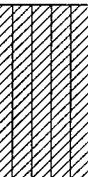

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-001PZ

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	OSI, Env. Inc.
Driller:	T Celichowski
Date Drilled:	10/31/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	12 ft.
Depth To Water:	9.1 ft.
Date Measured:	
Surface Elevation:	
TOC Elevation:	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
0	.		X		Silt, clayey, loam, slightly plastic, black to dark gray.	-	-	-	-	
					- yellowish-brown at 2.5 ft.	-	-	6,690	ND	
5	.				Clay, silty, plastic, dense, olive color.	-	-	ND	ND	
10	.			X	Clay, plastic, dense, wet, light olive brown.	-	-	-	-	
12.0					Boring Terminated at 12.0 ft.					

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O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-002PZ

Project No.:	1315-139
Logged By:	Andrew Raring
Drilling Co.:	OSI, Env. Inc.
Driller:	T Celichowski
Date Drilled:	10/31/94
Drilling Method:	Strataprobe

Sampling Method:	Drive Rod w/Brass Sleeves
Depth Drilled:	12 ft.
Depth To Water:	NA
Date Measured:	NA
Surface Elevation:	
TOC Elevation:	

[illegible]

WISCONSIN ANGB

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 04-004PZ

Project No.: 1315-139

Logged By: **Ruben Portales**

Drilling Co.: Target Drilling

Driller: C. Hawkins

Date Drilled: 10/28/94

Drilling Method: Stratprobe

Sampling Method: Drive Rod w/Brass Sleeves

Depth Drilled: 16 ft.

Depth To Water: NA

Date Measured: NA

Surface Elevation:

TOC Elevation:

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
0 1 2 3 4 5	.	100			Clay, some gravel, soft, black, dry.	3.0	-	-	-	
						34.1	0.0	ND	ND	
6 7 8	.	70			Clay, black to gray, slightly moist.	26.1	0.0	ND	ND	
9 10	.	70			Sand, medium-grained to fine-grained, poorly sorted, wet, dark gray.	0.7	0.0	ND	ND	
12.0					Piezometer Terminated at 12.0 ft.					

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LOG OF BORING 04-001MW

Project No.: 1315-139
Logged By: Andrew Raring
Drilling Co.: OSI, Env. Inc.
Driller: T Celichowski
Date Drilled: 11/04/94
Drilling Method: Hollow Stem Auger

Sampling Method: Split Spoon
Depth Drilled: 19 ft.
Depth To Water: 6.24 ft.
Date Measured: 12/20/94
Surface Elevation: 672.7 ft.
TOC Elevation: 675.17 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
-	-				Fill, gravel.	-	-	-	-	
-	-				Clay, plastic, dense, olive brown.	-	-	22.0	18.0	
2						-	-			
4						-	-			
5						-	-			
6						-	-			
5					Sand, clayey, light gray brown.					
					Monitoring Well Not Sampled From 6.0-19.0 ft. BLS.					
10										
15										
20					Boring Terminated at 19.0 ft.					

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LOG OF BORING 04-002MW

Project No.: 1315-139
 Logged By: K. Merino
 Drilling Co.: OSI, Env. Inc.
 Driller: T. Celichowski
 Date Drilled: 11/07/94
 Drilling Method: Hollow Stem Auger

Sampling Method: Split Spoon
 Depth Drilled: 20 ft.
 Depth To Water: 7.42 ft.
 Date Measured: 12/20/94
 Surface Elevation: 670.8 ft.
 TOC Elevation: 672.23 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
4 6 8 8		15			Clay, some sand, medium-grained to fine-grained, poorly sorted, dark brown.	0.0	-	1.0	ND	
5 2 1 2 3		45			- very plastic.	-	-	-	-	
10 1 2 2 6		80			- wet, some gravel.	-	-	6.0	ND	
					Monitoring Well Not Sampled From 12.0-20.0 ft. BLS.					
15										
20					Boring Terminated at 20.0 ft.					

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LOG OF BORING 04-003MW

Project No.:	1315-139	Sampling Method:	Split Spoon
Logged By:	K. Merino	Depth Drilled:	19 ft.
Drilling Co.:	OSI, Env. Inc.	Depth To Water:	5.78 ft.
Driller:	T Celichowski	Date Measured:	12/20/94
Date Drilled:	11/07/94	Surface Elevation:	673.56 ft.
Drilling Method:	Hollow Stem Auger	TOC Elevation:	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
2 3 5 7		50	X		Clay, very sandy, gray to black, dry.	0.0	0.0	1.0	ND	
5 2 7 2 4		50	X		Clay, slightly sandy, green gray color, slightly moist, strong hydrocarbon odor.	0.0	3.8	1,250	83.0	
10 5 6 7 9		75	X		Sand, gravelly, dark gray, wet, strong hydrocarbon odor.	1950.0	537.0	364,000	ND	
15										
20					Boring Terminated at 19.0 ft.					

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WISCONSIN ANGB









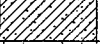









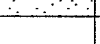




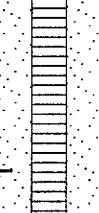



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CORPORATION

LOG OF BORING 04-004MW

Project No.: 1315-139
 Logged By: Andrew Raring
 Drilling Co.: OSI, Env. Inc.
 Driller: T. Celichowski
 Date Drilled: 11/04/94
 Drilling Method: Hollow Stem Auger

Sampling Method: Split Spoon
 Depth Drilled: 19 ft.
 Depth To Water: 7.21 ft.
 Date Measured: 12/20/94
 Surface Elevation: 673.56 ft.
 TOC Elevation: 673.56 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
					Fill, silty loam, brown.					
3					Clay, silty, light olive gray.	-	-	ND	ND	
5										
6										
3					Clay, sandy with interbedded clayey sand, yellow brown to light olive gray, slightly moist.	-	-	ND	ND	
3										
6										
5										
8					Sand, coarse-grained, moderately sorted, dark yellowish-brown, some mineral grains and fine gravel, slightly moist to wet.	-	-	ND	ND	
4										
6										
8										
11										
										
10										
2										
4										
6										
9										
					Monitoring Well Not Sampled From 12.0-19.0 ft. BLS.					
15										
										
20					Boring Terminated at 19.0 ft.					

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WISCONSIN ANGB

O P T E C H
OPERATIONAL TECHNOLOGIES
CORPORATION

LOG OF BORING 04-005MW

Project No.: 1315-139
Logged By: K. Merino
Drilling Co.: OSI, Env. Inc.
Driller: T. Celichowski
Date Drilled: 11/07/94
Drilling Method: Hollow Stem Auger

Sampling Method: Split Spoon
Depth Drilled: 20 ft.
Depth To Water: 5.92 ft.
Date Measured: 12/20/94
Surface Elevation: 673.8 ft.
TOC Elevation: 676.20 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING				Monitoring Well
						PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	
2		75			Clay, dry, brown, some sand from 1.5- 2.0 ft.	-	-	55.0	5.0	
4					Clay, occasional silt and sand, brown to gray, dry.	-	-	-	-	
6		80			Clay, brown, dry to slightly moist, some gravel.	-	-	-	-	
3										
3										
7										
9		95				1.0	-	3.0	2.0	
3					Monitoring Well Not Sampled From 12.0-20.0 ft. BLS.					
5										
8										
12										
10		100			Boring Terminated at 20.0 ft.	6.3	-	36.0	11.0	
3										
3										
6										
10										
15										
20										

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APPENDIX E

AQUIFER SLUG TEST DATA

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On 11 November, 1994, rising head (slug-out) slug tests were conducted in monitoring wells 04-001MW, 04-002MW, 04-004MW, and 04-005MW at Installation Restoration Program (IRP) Site No. 4 to estimate the hydraulic conductivity of the first water-bearing zone beneath the Billy Mitchell Air National Guard Base (ANGB), Milwaukee, Wisconsin.

The slug tests were conducted by lowering a solid PVC slug, approximately 1.5 inches in diameter and thirty-two inches in length fully below the water surface in the monitoring wells. Prior to insertion, the slug was decontaminated according to protocols specified in the investigation work plan. Water level displacements effected by the slug were measured with a pressure transducer placed at the bottom of the well and recorded by an automatic data logger. After the data logger indicated that the water level in the well had returned to approximately pre-displacement levels, the slug was rapidly removed from the well, resulting in a drop in water level within the well casing. The water level rise after slug removal was automatically recorded at closely spaced time intervals by the data logger. The tests were terminated when the water levels in the well returned to approximately pre-displacement levels.

Raw data from the slug tests was downloaded in the office to a computer file and analyzed by the Bouwer and Rice Method (Bouwer and Rice, 1976) for unconfined aquifers using the software program "AQTESOLV" Version 2.0 developed by Geraghty and Miller, Inc. The program implements automatic curve matching through nonlinear least-squares parameter estimation in addition to optional visual curve matching for the estimation of aquifer parameters.

The raw data for each slug test with the match curves generated by AQTESOLV are included herein.

SLUG TEST METHODOLOGY

REFERENCE: Bouwer, H. and R.C. Rice, 1976: *A Slug Test Method for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells*, Water Resources research, Vol. 12, No. 3., pp. 423-428.

SOLUTION:

$$\ln S_0 - \ln S_t = \frac{2KLt}{r_c^2 \ln(r_e/r_w)}$$

where:

- S_0 = initial drawdown in well due to instantaneous removal of water from well [L]
- S_t = drawdown in well at time "t" [L]
- L = length of saturated well screen interval [L]
- r_c = radius of well casing [L]
- r_w = radius of well (including filter pack) [L]
- $\ln(r_e/r_w)$ = empirical "shape factor" determined from reference tables (Bouwer and Rice, 1976)
- r_e = equivalent radius over which hydraulic head loss occurs [L]

CRITICAL ASSUMPTIONS:

- 1) The water-bearing zone is representative of a homogenous, isotropic unconfined aquifer;
- 2) Drawdown of the water table around the well is negligible;
- 3) Groundwater flow above the water table (in the capillary fringe) is negligible; and,
- 4) Hydraulic head losses as water enters the well (well losses) are negligible.

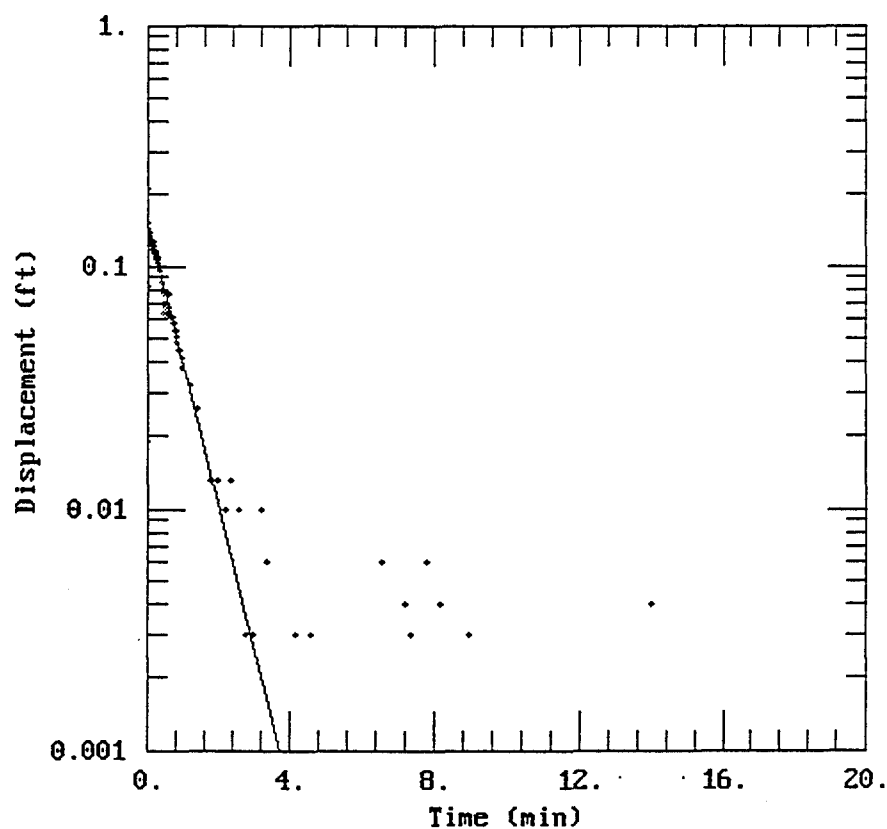
CLIENT: Air National Guard

COMPANY: Operational Technologies Corp

LOCATION: Billy Mitchell ANGB, Wisconsin

PROJECT: 1315-139

04-004MW SLUG TEST 11/11/94



DATA SET:
MW04_004.DAT
02/10/95

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
 $H_0 = 0.13$ ft
 $r_c = 0.083$ ft
 $r_w = 0.667$ ft
 $L = 10.$ ft
 $b = 11.58$ ft
 $H = 11.58$ ft

PARAMETER ESTIMATES:
 $K = 0.02802$ ft/min
 $y_0 = 0.1487$ ft

AQTESOLU

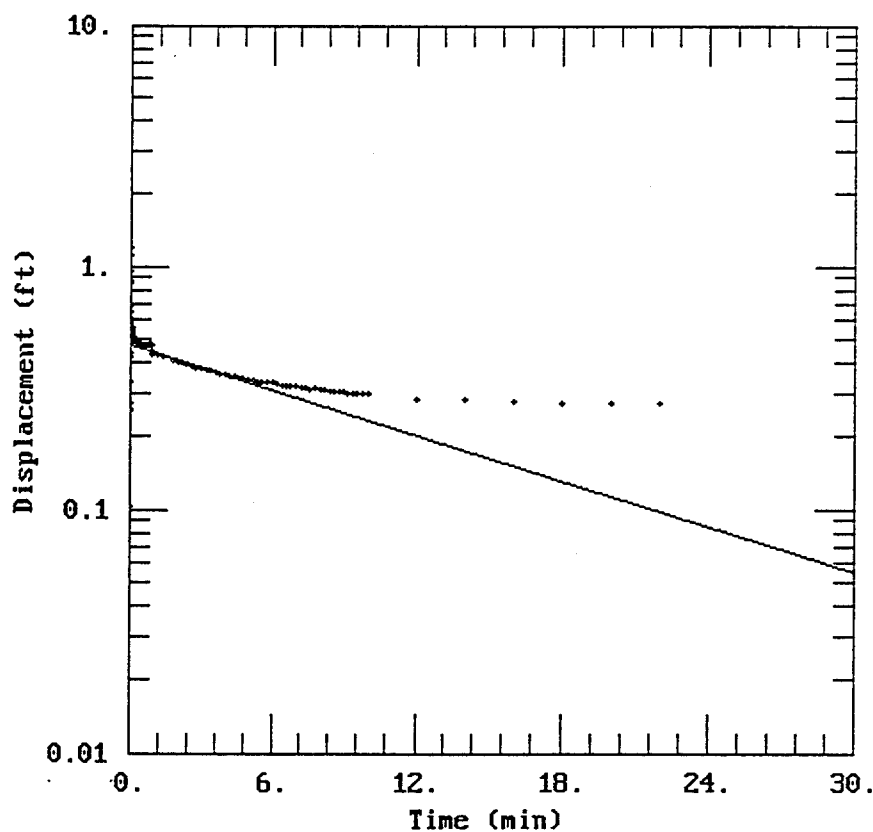
CLIENT: Air National Guard

COMPANY: Operational Technologies Corp

LOCATION: Billy Mitchell ANGB, Wisconsin

PROJECT: 1315-139

04-001MW SLUG TEST 11/11/94



DATA SET:
MW04_001.DAT
02/10/95

AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
 $H_0 = 0.333$ ft
 $r_c = 0.083$ ft
 $r_w = 0.667$ ft
 $L = 10.$ ft
 $b = 12.83$ ft
 $H = 12.83$ ft

PARAMETER ESTIMATES:
 $K = 0.001549$ ft/min
 $y_0 = 0.4746$ ft

AQTESOLV

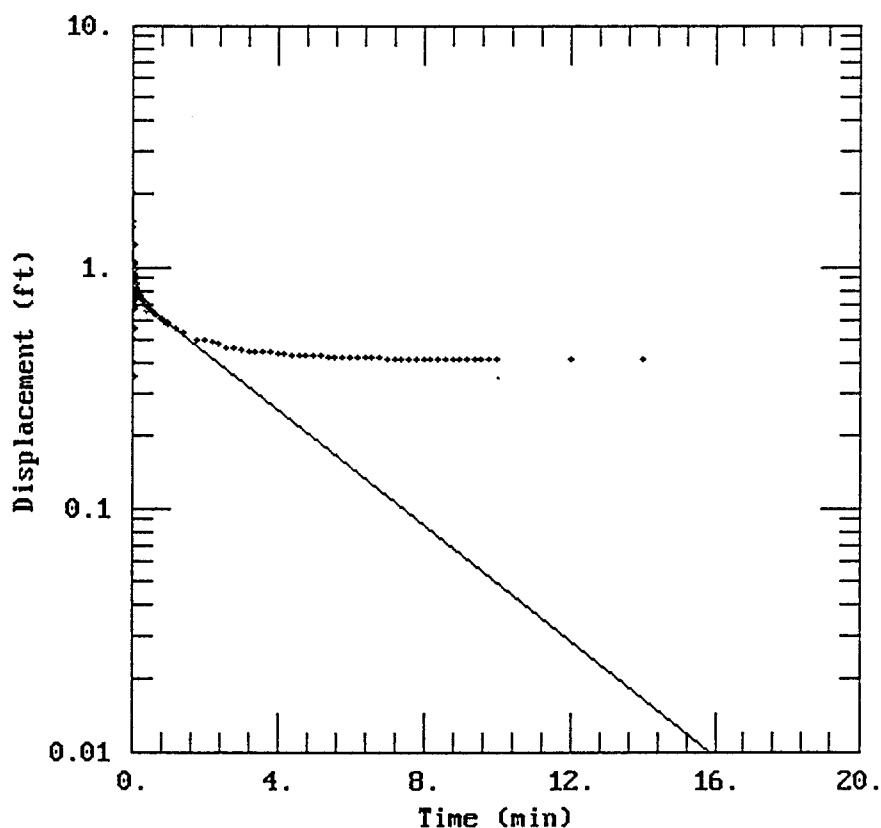
CLIENT: Air National Guard

COMPANY: Operational Technologies Corp

LOCATION: Billy Mitchell ANGB, WISCONSIN

PROJECT: 1315-139

04-002MW SLUG TEST 11/11/94



DATA SET:
MW04_002.DAT
02/10/95

AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
 $H_0 = 0.515$ ft
 $r_c = 0.083$ ft
 $r_w = 0.667$ ft
 $L = 10.$ ft
 $b = 11.4$ ft
 $H = 11.4$ ft

PARAMETER ESTIMATES:
 $K = 0.005744$ ft/min
 $y_0 = 0.7704$ ft

AQTESOLV

WPC>

SE1000C
Environmental Logger
11/11 12:33

Unit# 02400 Test 0

INPUT 1: Level (F) TOC

Reference 100.000
Linearity 0.040
Scale factor 10.120
Offset 0.010
Delay mSEC 50.000

Step 0 11/11 09:59:05

Elapsed Time	INPUT 1
0.0000	100.000
0.0033	100.000
0.0066	100.000
0.0100	100.000
0.0133	100.000
0.0166	100.003
0.0200	100.000
0.0233	100.003
0.0266	100.003
0.0300	100.083
0.0333	100.019
0.0366	100.211
0.0400	100.083
0.0433	100.150
0.0466	100.128
0.0500	100.131
0.0533	100.138
0.0566	100.128
0.0600	100.138
0.0633	100.131
0.0666	100.134
0.0700	100.131
0.0733	100.134
0.0766	100.131
0.0800	100.134
0.0833	100.131
0.0866	100.128
0.0900	100.134
0.0933	100.125
0.0966	100.131
0.1000	100.128
0.1033	100.128
0.1066	100.128
0.1100	100.128
0.1133	100.122a
0.1200	100.122
0.1233	100.125
0.1266	100.125
0.1300	100.122

Monitoring Well
04-004MW

0.1333	100.128
0.1366	100.122
0.1400	100.125
0.1433	100.118
0.1466	100.128
0.1500	100.122
0.1533	100.122
0.1566	100.122
0.1600	100.118
0.1633	100.122
0.1666	100.122
0.1700	100.122
0.1733	100.112
0.1766	100.125
0.1800	100.112
0.1833	100.118
0.1866	100.115
0.1900	100.115
0.1933	100.115
0.1966	100.112
0.2000	100.112
0.2033	100.112
0.2066	100.112
0.2100	100.112
0.2133	100.112
0.2166	100.112
0.2200	100.109
0.2233	100.115
0.2266	100.112
0.2300	100.109
0.2333	100.109
0.2366	100.109
0.2400	100.109
0.2433	100.109
0.2466	100.109
0.2500	100.106
0.2533	100.106
0.2566	100.109
0.2600	100.106
0.2633	100.109
0.2666	100.106
0.2700	100.109
0.2733	100.106
0.2766	100.106
0.2800	100.102
0.2833	100.102
0.2866	100.099
0.2900	100.106
0.2933	100.102a
0.3000	100.102
0.3033	100.102
0.3066	100.102
0.3100	100.099
0.3133	100.102
0.3166	100.102
0.3200	100.096
0.3233	100.099
0.3266	100.099
0.3300	100.096
0.3333	100.096

Monitoring Well
04-004MW

0.3500	100.099
0.3666	100.096
0.3833	100.090
0.4000	100.086
0.4166	100.080
0.4333	100.077
0.4500	100.070
0.4666	100.064
0.4833	100.070
0.5000	100.070
0.5166	100.067
0.5333	100.067
0.5500	100.064
0.5666	100.061
0.5833	100.064
0.6000	100.064
0.6166	100.067
0.6333	100.077
0.6500	100.061
0.6666	100.061
0.6833	100.061
0.7000	100.061
0.7166	100.058
0.7333	100.058
0.7500	100.058
0.7666	100.054
0.7833	100.058
0.8000	100.054
0.8166	100.051
0.8333	100.048
0.8500	100.048
0.8666	100.045
0.8833	100.045
0.9000	100.045
0.9166	100.045
0.9333	100.045
0.9500	100.045
0.9666	100.042
0.9833	100.038
1.0000	100.038
1.2000	100.032
1.4000	100.026a
1.8000	100.013
2.0000	100.013
2.2000	100.010
2.4000	100.013
2.6000	100.010
2.8000	100.003
3.0000	100.003
3.2000	100.010
3.4000	100.006
3.6000	100.000
3.8000	100.000
4.0000	100.000
4.2000	100.003
4.4000	100.000
4.6000	100.003
4.8000	100.000
5.0000	100.000
5.2000	100.000

Monitoring Well
04-004MW

5.4000	100.000
5.6000	100.000
5.8000	100.000
6.0000	100.000
6.2000	100.000
6.4000	100.000
6.6000	100.006
6.8000	100.000
7.0000	100.000
7.2000	99.996
7.4000	100.003
7.6000	100.000
7.8000	100.006
8.0000	100.000
8.2000	99.996
8.4000	100.000
8.6000	100.000
8.8000	100.000
9.0000	100.003
9.2000	100.000
9.4000	100.000
9.6000	100.000
9.8000	100.000
10.0000	100.000
12.0000	100.000
14.0000	99.996
16.0000	100.000

WPC>

Monitoring Well
04-002MW

SE1000C
Environmental Logger
11/11 15:12

Unit# 02400 Test 1

INPUT 1: Level (F) TOC

Reference 100.000
Linearity 0.040
Scale factor 10.120
Offset 0.010
Delay mSEC 50.000

Step 0 11/11 13:30:41

Elapsed Time	INPUT 1
-----	-----
0.0000	99.408
0.0033	99.408
0.0066	99.408
0.0100	99.408
0.0133	99.408
0.0166	99.408
0.0200	99.728
0.0233	100.451
0.0266	99.753
0.0300	98.393
0.0333	99.958
0.0366	101.030
0.0400	99.990
0.0433	99.030
0.0466	99.744
0.0500	100.538
0.0533	100.042
0.0566	99.356
0.0600	99.680
0.0633	100.230
0.0666	100.019
0.0700	99.558
0.0733	99.680
0.0766	100.045
0.0800	99.974
0.0833	99.673
0.0866	99.699
0.0900	99.932
0.0933	99.926
0.0966	99.737
0.1000	99.724
0.1033	99.868
0.1066	99.884
0.1100	99.772
0.1133	99.744a
0.1200	99.852
0.1233	99.788
0.1266	99.760
0.1300	99.804

Monitoring Well
04-002MW

0.1333	99.827
0.1366	99.792
0.1400	99.766
0.1433	99.792
0.1466	99.811
0.1500	99.788
0.1533	99.769
0.1566	99.785
0.1600	99.798
0.1633	99.779
0.1666	99.766
0.1700	99.772
0.1733	99.785
0.1766	99.776
0.1800	99.766
0.1833	99.769
0.1866	99.776
0.1900	99.772
0.1933	99.766
0.1966	99.763
0.2000	99.766
0.2033	99.766
0.2066	99.763
0.2100	99.760
0.2133	99.760
0.2166	99.763
0.2200	99.760
0.2233	99.756
0.2266	99.756
0.2300	99.756
0.2333	99.753
0.2366	99.753
0.2400	99.753
0.2433	99.753
0.2466	99.750
0.2500	99.750
0.2533	99.747
0.2566	99.747
0.2600	99.747
0.2633	99.747
0.2666	99.744
0.2700	99.740
0.2733	99.744
0.2766	99.740
0.2800	99.737
0.2833	99.737
0.2866	99.737
0.2900	99.737
0.2933	99.734 ^a
0.3000	99.734
0.3033	99.734
0.3066	99.731
0.3100	99.731
0.3133	99.731
0.3166	99.728
0.3200	99.728
0.3233	99.731
0.3266	99.728
0.3300	99.724
0.3333	99.724

0.3500	99.721
0.3666	99.718
0.3833	99.712
0.4000	99.664
0.4166	99.686
0.4333	99.683
0.4500	99.676
0.4666	99.673
0.4833	99.670
0.5000	99.670
0.5166	99.664
0.5333	99.660
0.5500	99.657
0.5666	99.654
0.5833	99.651
0.6000	99.648
0.6166	99.648
0.6333	99.641
0.6500	99.638
0.6666	99.638
0.6833	99.632
0.7000	99.628
0.7166	99.628
0.7333	99.625
0.7500	99.619
0.7666	99.619
0.7833	99.616
0.8000	99.612
0.8166	99.609
0.8333	99.606
0.8500	99.603
0.8666	99.603
0.8833	99.600
0.9000	99.596
0.9166	99.593
0.9333	99.590
0.9500	99.593
0.9666	99.590
0.9833	99.587
1.0000	99.584
1.2000	99.558
1.4000	99.536 ^a
1.8000	99.504
2.0000	99.497
2.2000	99.488
2.4000	99.481
2.6000	99.468
2.8000	99.465
3.0000	99.459
3.2000	99.452
3.4000	99.452
3.6000	99.449
3.8000	99.446
4.0000	99.443
4.2000	99.440
4.4000	99.436
4.6000	99.436
4.8000	99.433
5.0000	99.433
5.2000	99.433

Monitoring Well
04-002MW

5.4000	99.427
5.6000	99.427
5.8000	99.427
6.0000	99.427
6.2000	99.424
6.4000	99.427
6.6000	99.424
6.8000	99.424
7.0000	99.420
7.2000	99.420
7.4000	99.417
7.6000	99.417
7.8000	99.417
8.0000	99.417
8.2000	99.417
8.4000	99.417
8.6000	99.417
8.8000	99.417
9.0000	99.417
9.2000	99.417
9.4000	99.417
9.6000	99.417
9.8000	99.417
10.0000	99.417
12.0000	99.417
14.0000	99.417

WPC>

Monitoring Well
04-001MW

SE1000C
Environmental Logger
11/11 15:16

Unit# 02400 Test 2

INPUT 1: Level (F) TOC

Reference 100.000
Linearity 0.040
Scale factor 10.120
Offset 0.010
Delay mSEC 50.000

Step 0 11/11 14:32:46

Elapsed Time INPUT 1

0.0000	100.253
0.0033	100.253
0.0066	100.253
0.0100	100.253
0.0133	100.253
0.0166	100.253
0.0200	100.275
0.0233	100.948
0.0266	101.104
0.0300	100.439
0.0333	99.897
0.0366	99.980
0.0400	100.868
0.0433	101.184
0.0466	100.506
0.0500	100.259
0.0533	100.650
0.0566	100.861
0.0600	100.570
0.0633	100.423
0.0666	100.583
0.0700	100.685
0.0733	100.563
0.0766	100.483
0.0800	100.563
0.0833	100.605
0.0866	100.544
0.0900	100.512
0.0933	100.547
0.0966	100.563
0.1000	100.535
0.1033	100.519
0.1066	100.538
0.1100	100.541
0.1133	100.528a
0.1200	100.528
0.1233	100.525
0.1266	100.522
0.1300	100.522

Monitoring Well
04-001MW

0.1333	100.522
0.1366	100.519
0.1400	100.515
0.1433	100.515
0.1466	100.515
0.1500	100.512
0.1533	100.509
0.1566	100.509
0.1600	100.509
0.1633	100.512
0.1666	100.509
0.1700	100.506
0.1733	100.506
0.1766	100.509
0.1800	100.503
0.1833	100.499
0.1866	100.503
0.1900	100.506
0.1933	100.499
0.1966	100.499
0.2000	100.503
0.2033	100.499
0.2066	100.496
0.2100	100.499
0.2133	100.503
0.2166	100.496
0.2200	100.496
0.2233	100.499
0.2266	100.496
0.2300	100.496
0.2333	100.496
0.2366	100.493
0.2400	100.493
0.2433	100.496
0.2466	100.496
0.2500	100.493
0.2533	100.493
0.2566	100.493
0.2600	100.493
0.2633	100.493
0.2666	100.490
0.2700	100.490
0.2733	100.490
0.2766	100.490
0.2800	100.490
0.2833	100.490
0.2866	100.490
0.2900	100.490
0.2933	100.490a
0.3000	100.490
0.3033	100.490
0.3066	100.490
0.3100	100.493
0.3133	100.487
0.3166	100.487
0.3200	100.490
0.3233	100.490
0.3266	100.490
0.3300	100.490
0.3333	100.490

Monitoring Well
04-001MW

0.3500	100.487
0.3666	100.483
0.3833	100.483
0.4000	100.483
0.4166	100.480
0.4333	100.480
0.4500	100.477
0.4666	100.477
0.4833	100.477
0.5000	100.474
0.5166	100.474
0.5333	100.474
0.5500	100.467
0.5666	100.471
0.5833	100.471
0.6000	100.467
0.6166	100.471
0.6333	100.467
0.6500	100.467
0.6666	100.464
0.6833	100.464
0.7000	100.464
0.7166	100.471
0.7333	100.477
0.7500	100.474
0.7666	100.477
0.7833	100.474
0.8000	100.471
0.8166	100.480
0.8333	100.480
0.8500	100.480
0.8666	100.477
0.8833	100.474
0.9000	100.451
0.9166	100.435
0.9333	100.439
0.9500	100.439
0.9666	100.439
0.9833	100.439
1.0000	100.439
1.2000	100.429
1.4000	100.423a
1.8000	100.410
2.0000	100.403
2.2000	100.400
2.4000	100.394
2.6000	100.387
2.8000	100.381
3.0000	100.378
3.2000	100.375
3.4000	100.371
3.6000	100.368
3.8000	100.362
4.0000	100.359
4.2000	100.355
4.4000	100.352
4.6000	100.349
4.8000	100.346
5.0000	100.343
5.2000	100.339

Monitoring Well
04-001MW

5.4000	100.336
5.6000	100.333
5.8000	100.333
6.0000	100.333
6.2000	100.327
6.4000	100.323
6.6000	100.323
6.8000	100.320
7.0000	100.320
7.2000	100.317
7.4000	100.317
7.6000	100.311
7.8000	100.314
8.0000	100.311
8.2000	100.311
8.4000	100.307
8.6000	100.307
8.8000	100.304
9.0000	100.304
9.2000	100.301
9.4000	100.301
9.6000	100.298
9.8000	100.298
10.0000	100.298
12.0000	100.285
14.0000	100.282
16.0000	100.279
18.0000	100.275
20.0000	100.272
22.0000	100.272

WPC>

Monitoring Well
04-005MW

SE1000C
Environmental Logger
11/11 19:15

Unit# 02400 Test 3

INPUT 1: Level (F) TOC

Reference 100.000
Linearity 0.040
Scale factor 10.120
Offset 0.010
Delay mSEC 50.000

Step 0 11/11 17:01:43

Elapsed Time INPUT 1

0.0000	103.894
0.0033	103.897
0.0066	103.897
0.0100	103.894
0.0133	103.894
0.0166	103.894
0.0200	103.894
0.0233	103.897
0.0266	104.527
0.0300	105.121
0.0333	104.750
0.0366	103.049
0.0400	103.999
0.0433	105.080
0.0466	104.997
0.0500	104.050
0.0533	103.699
0.0566	104.277
0.0600	104.750
0.0633	104.524
0.0666	104.028
0.0700	103.980
0.0733	104.332
0.0766	104.504
0.0800	104.306
0.0833	104.063
0.0866	104.105
0.0900	104.300
0.0933	104.344
0.0966	104.207
0.1000	104.098
0.1033	104.153
0.1066	104.249
0.1100	104.245
0.1133	104.162a
0.1200	104.159
0.1233	104.204
0.1266	104.188
0.1300	104.140

Monitoring Well
04-005MW

0.1333	104.127
0.1366	104.153
0.1400	104.172
0.1433	104.153
0.1466	104.127
0.1500	104.127
0.1533	104.140
0.1566	104.146
0.1600	104.133
0.1633	104.121
0.1666	104.121
0.1700	104.130
0.1733	104.130
0.1766	104.124
0.1800	104.118
0.1833	104.118
0.1866	104.121
0.1900	104.121
0.1933	104.114
0.1966	104.111
0.2000	104.114
0.2033	104.114
0.2066	104.114
0.2100	104.111
0.2133	104.108
0.2166	104.108
0.2200	104.108
0.2233	104.108
0.2266	104.105
0.2300	104.105
0.2333	104.105
0.2366	104.105
0.2400	104.105
0.2433	104.101
0.2466	104.101
0.2500	104.101
0.2533	104.101
0.2566	104.101
0.2600	104.098
0.2633	104.098
0.2666	104.098
0.2700	104.098
0.2733	104.098
0.2766	104.098
0.2800	104.095
0.2833	104.095
0.2866	104.095
0.2900	104.095
0.2933	104.095a
0.3000	104.095
0.3033	104.095
0.3066	104.095
0.3100	104.095
0.3133	104.092
0.3166	104.092
0.3200	104.092
0.3233	104.089
0.3266	104.089
0.3300	104.092
0.3333	104.092

0.3500	104.092
0.3666	104.089
0.3833	104.089
0.4000	104.086
0.4166	104.086
0.4333	104.086
0.4500	104.082
0.4666	104.079
0.4833	104.079
0.5000	104.079
0.5166	104.079
0.5333	104.076
0.5500	104.076
0.5666	104.076
0.5833	104.076
0.6000	104.076
0.6166	104.076
0.6333	104.076
0.6500	104.076
0.6666	104.076
0.6833	104.073
0.7000	104.073
0.7166	104.073
0.7333	104.073
0.7500	104.073
0.7666	104.070
0.7833	104.073
0.8000	104.073
0.8166	104.070
0.8333	104.073
0.8500	104.070
0.8666	104.070
0.8833	104.070
0.9000	104.070
0.9166	104.070
0.9333	104.070
0.9500	104.070
0.9666	104.070
0.9833	104.070
1.0000	104.070
1.2000	104.057
1.4000	104.057a
1.8000	104.054
2.0000	104.050
2.2000	104.050
2.4000	104.050
2.6000	104.050
2.8000	104.050
3.0000	104.050
3.2000	104.047
3.4000	104.047
3.6000	104.047
3.8000	104.044
4.0000	104.044
4.2000	104.044
4.4000	104.044
4.6000	104.041
4.8000	104.041
5.0000	104.044
5.2000	104.041

Monitoring Well
04-005MW

5.4000	104.041
5.6000	104.041
5.8000	104.041
6.0000	104.038
6.2000	104.041
6.4000	104.038
6.6000	104.038
6.8000	104.038
7.0000	104.038
7.2000	104.038
7.4000	104.038
7.6000	104.034
7.8000	104.034
8.0000	104.034
8.2000	104.034
8.4000	104.034
8.6000	104.031
8.8000	104.031
9.0000	104.031
9.2000	104.031
9.4000	104.031
9.6000	104.031
9.8000	104.028
10.0000	104.028
12.0000	104.025
14.0000	104.022
16.0000	104.018
18.0000	104.015
20.0000	104.009
22.0000	104.006
24.0000	104.002
26.0000	103.999
28.0000	103.996
30.0000	103.990
32.0000	103.990a
36.0000	103.983
38.0000	103.980
40.0000	103.977
42.0000	103.974
44.0000	103.974
46.0000	103.970
48.0000	103.967
50.0000	103.964
52.0000	103.961
54.0000	103.958
56.0000	103.954
58.0000	103.954
60.0000	103.951
62.0000	103.948
64.0000	103.948
66.0000	103.948
68.0000	103.945
70.0000	103.938
72.0000	103.938
74.0000	103.935
76.0000	103.932
78.0000	103.932
80.0000	103.932
82.0000	103.929
84.0000	103.926

86.0000	103.922
88.0000	103.919
90.0000	103.919
92.0000	103.916
94.0000	103.916
96.0000	103.905
98.0000	103.905
100.000	103.896

Monitoring Well
04-005MW

APPENDIX F

CHAIN OF CUSTODY FORMS

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CHAIN-OF-CUSTODY RECORD

Analytical Request

Client Opterj-H

Report To: KATH+LEEN/MER/NO

Pace Client No.

Address 4100 NW LOOP 410 #230

Bill To: Accounting Dept

Pace Project Manager

SAN ANTONIO TEXAS 78229

Pace Project No. 941024-510

Phone 210 731-0000

Project Name / No. BillyMTELL AUGB

*Requested Due Date: 21 JAN

Sampled By (PRINT):

R. PORTALES M. ESCOBAR

Sampler Signature

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-002 PS 1'-3'	1530	SOIL	2507.4
2	04-002 PS 5'-7'	1545	SOIL	2508.2
3	04-003 PS 1'-3'	1215	SOIL	2509.0
4	04-003 PS 5'-7'	1230	SOIL	2510.4
5	04-003 PS - GW	1245	WATER	2511.2
6	TRIP BLANK	—	WATER	2512.0
7				
8				

COOLER NOS.	BALEYS	SHIPMENT METHOD	
		OUT / DATE	RETURNED / DATE
—			

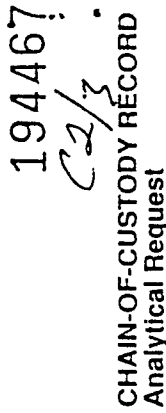
Additional Comments

*REFER TO SOW FOR DETECTION LIMITS AND ANALYSIS REQUESTS.

$T_{\text{BLANK}} = 4.50$ Aug 10/22/94

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	MEDH		
75					MedH	✓	GLASS SLUGS FOR VOC/PAH/LEAD
43						✓	
75						✓	
43						✓	
61			1			✓	
1						✓	

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Made Evelyn / OPTech	Emilia / PACE	12/24/08	0324
			01/24/09	1700



Report To: Kathleen Merino

Bill To: Accounting Dept.

P.O. # / Billing Reference 1315-139

Project Name / No. Bill Mitchell ANG-5

Pace Client No.

Pace Project Manager

Pace Project No. 92/1024.570

***Requested Due Date:**

Sampled By (PRINT):

Ruben Portales

Date Sampled _____

10/22/01

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	RELINQUISHED BY / AFFILIATION										DATE	TIME	
					OUT / DATE	SHIPMENT METHOD	RETURNED / DATE	ITEM NUMBER	ACCEPTED BY / AFFILIATION								
1	04-006 PS 1'-3'	1330	SOL	25015.9	75	2								Brass sleeves for VOC/PAH/LEAD			
2	04-006 PS 5'-7'	1345	SOL	25014.7	54	1											
3	04-006 PS-GW	1420	WATER	25015.5	61	1											
4	04-005 PS-1'-3'	1530	SOL	25016.3	75	2											
5	04-005 PS-5'-7'	1545	SOL	25017.1	75	2											
6	04-002 PS-GW	1615	WATER	25018.0	61	1											
7	04-001 PS-1'-3'	1915	SOL	25019.8	75	2											
8	04-001 PS-5'-7'	1940	SOL	25020.1	75	2											
COOLER NOS.		BAILERS		SHIPMENT METHOD		RETURNED / DATE		ITEM NUMBER		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		DATE		TIME	
										M. B. B. / 10070704		Mantel-FEDX		10/21/01 17:40			

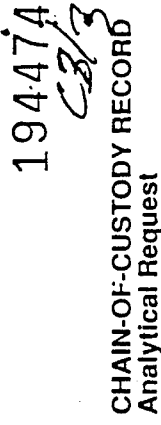
Additional Comments

* Refer to SOW for detection limits

Turned over by SA [redacted] 21 Oct 99.
Received by SA [redacted]

CAI

SEE REVERSE SIDE FOR INSTRUCTIONS



Report To: KATHLEEN MERRINO

Bill To: Accounting Dept

P.O. # / Billing Reference 1375-1399

Project Name / No. Billy Mitchell AN663

RESERVATIVES ANALYSES

7-10-11

COOLER NOS.	BAILLERS	SHIPMENT METHOD OUT / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
				<i>M. J. Park</i> OPTENT	<i>[Signature]</i> FEDX	10/21/88	1730

Additional Comments

Turned over by Sperry (Rt) - 210K-194
Received by _____

CHAIN-OF-CUSTODY RECORD

Analytical Request

Client: **DEITCH**

Report To: KATHLEEN Meryns

Pace Client No.

Address 4100 NW Loop 410 #230

Bill To: ACCOUNTING.

Pace Project Manager

SHUANTUO TX 78229

P.O. # / Billing Reference 1315-139

Pace Project No. 941025.570

Phone (216) 731-0000

Project Name / No. Billy McPicture ANUGLB

*Requested Due Date: 2/17/17

Sampled By (PRINT):

col By (PRINT): ROSEN PONTA 03 Charles Pontal

Sampler Signature	Date Sampled
-------------------	--------------

State Sampled	10/24/94
---------------	----------

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	ON	UND	H ² S	DNH	VO	H	W	PA	PA	PA	PA	REMARKS
1	04-005 PS - 6W	0950	WMB	25789.5	6	1	1	1	4			✓	✓	✓	✓	NOT enough sample recovered.
2	04-001 PS - 6W	0935	WMB	25790.9	6	1	1	1	4			✓	✓	✓	✓	NOT enough sample recovered.
3	04-007 PS - 1'-3'	1115	SOIL	25791.7	6	4				2		✓	✓	✓	✓	NOT enough sample recovered.
4	04-007 PS - 5'-7'	1130	SOIL	25792.5	4	2				2		✓	✓	✓	✓	NOT enough sample recovered.
5	04-008 PS - 1'-3'	1145	SOIL	25793.3	7	5				2		✓	✓	✓	✓	NOT enough sample recovered.
6	04-008 PS - 8'-10'	1570	SOIL	25794.1	4	3				1		✓	✓	✓	✓	NOT enough sample recovered.
7	04-009 PS - 1'-3'	1630	SOIL	25795.0	7	5				2		✓	✓	✓	✓	NOT enough sample recovered.
8	04-005 PS - 5'-7'	1650	SOIL	25796.8	6	4				2		✓	✓	✓	✓	NOT enough sample recovered.

COOLER NOS.

BAILERS

SHIPMENT METHOD	OUT. DATE	RETURN DATE
1	10/10/10	10/10/10
2	10/10/10	10/10/10
3	10/10/10	10/10/10
4	10/10/10	10/10/10
5	10/10/10	10/10/10
6	10/10/10	10/10/10
7	10/10/10	10/10/10
8	10/10/10	10/10/10
9	10/10/10	10/10/10
10	10/10/10	10/10/10
11	10/10/10	10/10/10
12	10/10/10	10/10/10
13	10/10/10	10/10/10
14	10/10/10	10/10/10
15	10/10/10	10/10/10
16	10/10/10	10/10/10
17	10/10/10	10/10/10
18	10/10/10	10/10/10
19	10/10/10	10/10/10
20	10/10/10	10/10/10
21	10/10/10	10/10/10
22	10/10/10	10/10/10
23	10/10/10	10/10/10
24	10/10/10	10/10/10
25	10/10/10	10/10/10
26	10/10/10	10/10/10
27	10/10/10	10/10/10
28	10/10/10	10/10/10
29	10/10/10	10/10/10
30	10/10/10	10/10/10
31	10/10/10	10/10/10
32	10/10/10	10/10/10
33	10/10/10	10/10/10
34	10/10/10	10/10/10
35	10/10/10	10/10/10
36	10/10/10	10/10/10
37	10/10/10	10/10/10
38	10/10/10	10/10/10
39	10/10/10	10/10/10
40	10/10/10	10/10/10
41	10/10/10	10/10/10
42	10/10/10	10/10/10
43	10/10/10	10/10/10
44	10/10/10	10/10/10
45	10/10/10	10/10/10
46	10/10/10	10/10/10
47	10/10/10	10/10/10
48	10/10/10	10/10/10
49	10/10/10	10/10/10
50	10/10/10	10/10/10
51	10/10/10	10/10/10
52	10/10/10	10/10/10
53	10/10/10	10/10/10
54	10/10/10	10/10/10
55	10/10/10	10/10/10
56	10/10/10	10/10/10
57	10/10/10	10/10/10
58	10/10/10	10/10/10
59	10/10/10	10/10/10
60	10/10/10	10/10/10
61	10/10/10	10/10/10
62	10/10/10	10/10/10
63	10/10/10	10/10/10
64	10/10/10	10/10/10
65	10/10/10	10/10/10
66	10/10/10	10/10/10
67	10/10/10	10/10/10
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69	10/10/10	10/10/10
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72	10/10/10	10/10/10
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74	10/10/10	10/10/10
75	10/10/10	10/10/10
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77	10/10/10	10/10/10
78	10/10/10	10/10/10
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80	10/10/10	10/10/10
81	10/10/10	10/10/10
82	10/10/10	10/10/10
83	10/10/10	10/10/10
84	10/10/10	10/10/10
85	10/10/10	10/10/10
86	10/10/10	10/10/10
87	10/10/10	10/10/10
88	10/10/10	10/10/10
89	10/10/10	10/10/10
90	10/10/10	10/10/10
91	10/10/10	10/10/10
92	10/10/10	10/10/10
93	10/10/10	10/10/10
94	10/10/10	10/10/10
95	1	

ITEM
NUMBER

RELINQUISHED BY / AFFILIATION

ACCEPTED BY / AFFILIATION

TIME

Additional Comments

* Follow the Norms

2025/1/16
(H2021.1.16)

Sm. K. G. Price

10/24/19 10:13
07:61 12/27/01

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTECH

Address 4100 NW LOOP 410 #230

SAN ANTONIO, TEXAS 78229

Phone 210 731-0000

Report To: KATHLEEN MENDOZA

Bill To: ACCOUNTING

P.O. # / Billing Reference 1315-1139

Project Name / No. Billy PITCHER AR&B

Pace Client No.

Pace Project Manager

Pace Project No. 941015-520

*Requested Due Date: 21 JAN

Sampled By (PRINT):

ROBEN PANTHERS

Sampler Signature

Date Sampled

10/24/94

ITEM NO.

SAMPLE DESCRIPTION

TIME MATRIX

PAGE NO.

1

TRAP BILANK

1

WATER 2579761

2

3

4

5

6

7

8

NO. OF CONTAINERS

PRESERVATIVES

UNPRESERVED

H₂SO₄

HNO₃

VOA

HCL

ANALYSES REQUEST

CCC-802

REMARKS

2 OF 2

COOLER NOS.

BAILERS

SHIPMENT METHOD

RETURNED / DATE

ITEM NUMBER

RELINQUISHED BY / AFFILIATION

ACCEPTED BY / AFFILIATION

DATE

TIME

Additional Comments

* FOLLOW SOW REQUIREMENTS

John Escobedo (correct)

10/24/94 1913

10/24/94 17:40



194499

C1/2

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: KATHLEEN MARINO
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-139
Project Name / No. 6, MITCHELL AVENUE
Pace Client No. 101817
Pace Project Manager TRM
Pace Project No. 94/1026, 515
Requested Due Date:

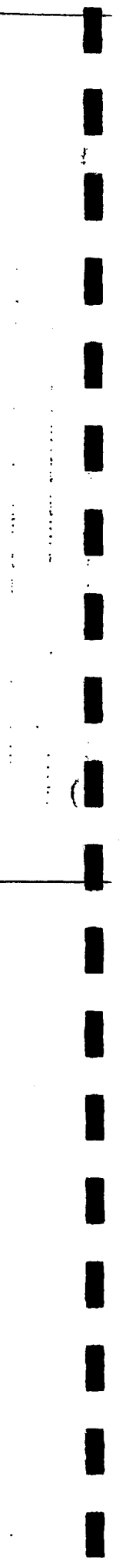
Client OPTECH
Address 4100 NW COOP YLD #230
SAW ANTONIO TEXAS 78229
Phone (214) 731-0000

Sampled By (PRINT): Ruben Portales
Sampler Signature Ruben Portales
Date Sampled 10/25/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACED NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS			
						UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA					
1	DI WATER / FIELD BLANK	1215	WATER	25279156	1	1	1	1	4	✓	✓	✓	✓	✓
2	STATIONER / FIELD BLANK	1300	WATER	25279216	1	1	1	1	4	✓	✓	✓	✓	✓
3	TUBING / EQUIP BLANK	1345	WATER	25279506	1	1	1	1	4	✓	✓	✓	✓	✓
4	SPLIT SADDON / EQUIP BLANK	1246	WATER	25279418	1	1	1	1	4	✓	✓	✓	✓	✓
5	VALVE / EQUIP BLANK	1230	WATER	25279566	1	1	1	1	4	✓	✓	✓	✓	✓
6	TRIP BLANK	-	WATER	25279641	1	1	1	1	4	✓	✓	✓	✓	✓
7														
8														

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
-------------	---------	-----------------	------------	-----------------	-------------	-------------------------------	---------------------------	------	------

Additional Comments: Made Error (Correct)
Smithridge / PACE
10/25/94 1800
10/26/94 1920





194498
C2/2
CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTBCH
Address 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone (210) 731-0000

Report To: KATHLEEN MENDOZA
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-139
Project Name / No. B. MIRENAN ANALYSIS

Pace Client No. 101819
Pace Project Manager TRM
Pace Project No. 941026-575

*Requested Due Date:

Sampled By (PRINT):

Ruben Fortalez

Signature _____ Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-007 PS-GW	1720	WATER	25277.7
2	04-009 PS-GW	1830	WATER	25278.0
3	04-008 PS-GW	1910	WATER	25277.9
4	04-010 PS-1'-3'	1515	SOIL	25300.6
5	04-010 PS-3'-5' FD	1530	SOIL	25301.4
6	04-010 PS-5'-7'	1540	SOIL	25302.2
7	04-010 PS-8'-10'	1558	SOIL	25303.0
8	TRIP BLANK	-	WATER	25304.9

PRESERVATIVES			
UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA
			HCL
			MEOH

ANALYSES REQUEST	LC/2020	PH/8310	DO/2392	GRD/6010
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓

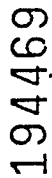
REMARKS

*PH AND VOA/GRD SAMPLED AT 0845
*DO SAMPLED AT 1740
*NOT ENOUGH SAMPLE FOR OTHER ANALYSIS
*SPLIT SAMPLE FOR PH AND GRD.

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
-------------	---------	-----------------	-----------------	-------------	-------------------------------	---------------------------	------	------


Made Equal - correct
Signature: [Signature]
Date: 10/25/94
Time: 1800
10/26/94 1920

Additional Comments



CHAIN-OF-CUSTODY RECORD

Analytical Request

ITEM NO.		SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
Sampled By (PRINT):		12000 PORTAGE			
Sampler Signature					
Date Sampled		10/26/94			
NO. OF CONTAINERS					
PRESERVATIVES					
UNPRESERVED					
H ₂ SO ₄					
HNO ₃					
VOA					
MeOH					
ANALYSES REQUEST					
Vg/8020					
PAH/8310					
VgD/6010					
VgD					
G-RD					
REMARKS					

COOLER NOS.	BAILERS	SHIPMENT METHOD		ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT DATE	RETURNED DATE					
① 04-020 PS 1-3		0845	5011 25357.0	75	✓	✓		
② 04-020 PS 5-7		0905	5011 25358.8	64	✓	✓		
③ 04-023 PS 1-3		1700	5011 25359.6	75	✓	✓		
④ 04-023 PS 3-5 MS MS		1710	5011 25360.0	75	✓	✓		
⑤ 04-023 PS 5-7		1730	5011 25361.8	75	✓	✓		
⑥ 04-027 PS 5-7		1600	5011 25362.6	64	✓	✓		
⑦ 04-028 PS 1-3		1710	5011 25363.4	75	✓	✓		
⑧ 04-028 PS 5-7		1430	5011 25364.2	64	✓	✓		

Additional Comments: Focus SOW Requirements

AL [REDACTED] SEE REVERSE SIDE FOR INSTRUCTIONS



THE ASSURANCE OF QUALITY

194468

CHAIN-OF-CUSTODY RECORD

Analytical Request

Pace Client No.

Pace Project Manager TRM

Pace Project No. 941027.573

*Requested Due Date: 2/7/2011

Report To: Kathleen Marino

Bill To: Accounting

P.O. # / Billing Reference 1315-139

Project Name / No. B. M. Nagar ANUB

Client 00724

Address 4100 NW Loop 410 #230

SAN ANTONIO TEXAS 78229

Phone (210) 731-0000

Sampled By (PRINT):

Ruben Pontares

Date Sampled

Robert G. Taylor

10/6/98

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
①	TRIP BLANK	—	WATER	2536 S.O
2				
3				
4				
5				
6				
7				
8				

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT DATE	RETURNED DATE

Additional Comments

[illegible]

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mateo C. La (DPTC)	Jedda (DPTC) / Jace 10/27/18	10/27/18	

ORIGINAL

[illegible]

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTech Report To: KATHLEEN MENDOZA Pace Client No.: 0
Address: 4100 NW LOOP 410 #230 Bill To: ACCOUNTING Pace Project Manager: TRM
SAN ANTONIO TEXAS 78229 P.O. # / Billing Reference: P 1315-139 Pace Project No.: 211029505
Phone: (210) 731-0000 Project Name / No.: B. M. THERON AUG-05 *Requested Due Date: JAN 21 MAY

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	PRESERVATIVES					ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HCL		
1	SPLIT SPON - EQUIP BLK	1130	DATE	255799	0	1	4			✓	(EQUIPMENT BLANK)
2	04-019 PS 1-3	0830	5012	255800	7	5	2			✓	
3	04-019 PS 5-7	0900	5012	255810	7	5	2			✓	
4	04-021 PS 1-3	1000	5012	255819	7	5	2			✓	
5	04-021 PS 5-7	1030	5012	255827	7	5	2			✓	
6	04-022 PS 1-3	1000	5012	255845	6	4	2			✓	COMBINATION
7	04-022 PS 5-7	1015	5012	255853	7	5	2			✓	
8	04-026 PS 1-3	1700	5012	255861	1	1				✓	NOT ENOUGH SAMPLE RECEIVED

Additional Comments: X Follow SOW requirements.

RELINQUISHED BY / AFFILIATION: M. Mendez DATE: 11/10/2005

ACCEPTED BY / AFFILIATION: [Signature] DATE: 11/10/2005

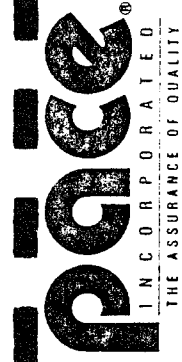
ITEM NUMBER: 1

SHIPMENT METHOD: 5012 RETURNED DATE: 11/10/2005

COOLER NOS.: 1 BALERS: 1

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS



194488

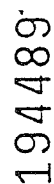
CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: KATHERIN MERRINO
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-L39
Project Name / No. B. MITCHELL AVE
Pace Client No.
Pace Project Manager TRM
Pace Project No. 241029.505
*Requested Due Date: 21 day TAT

Client OPTECH
Address 4100 NW 6088 410 #230
SAN ANTONIO TX 78229
Phone (210) 731-0000
Sampled By (PRINT): Robert Pomeroy
Sampler Signature Robert Pomeroy Date Sampled 10/27/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	PRESERVATIVES					ANALYSES REQUEST	NO. OF CONTAINERS	REMARKS									
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	METH	HCE											
1	01-026PS 5-7	1715	SOIL	15670	6						4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	TRIP BRANK		WATER	15670	1						1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3																					
4																					
5																					
6																					
7																					
8																					

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					<u>Wade Enloe (Optech)</u>	<u>Wade Enloe (Optech)</u>	<u>10/27/94</u>	<u>1700</u>
Additional Comments								
<u>* Follow SOU Requisitions</u>								



CHAIN-OF-CUSTODY RECORD

Analytical Request

Report To: KATHLEEN MORGANO

Bill To: Accounting

P.O. # / Billing Reference 1315-139

Project Name / No. B. MITHELL ANGB

100

10/28/94

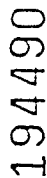
19

Vulcan Portland

Additional Comments	Low SOW requirements	High SOW requirements	Low SOW requirements	High SOW requirements
			<p> <i>Michael (07/22/14)</i> <i>10/28/14 1530</i> <i>10/29/14 1600</i> <i>10/29/14 1600</i> </p>	

Additional Comments

LOW SOW REQUIREMENTS



INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD

Analytical Request

Report To: Katherine Marino

Pace Client No.

Bill To: Accounting

Pace Project Manager *TRM*

Pace Project No. 94/029.528

Project Name / No. B, Mithore Amb

Requested Due Date:

Sampled By (PRINT):

Completed By (PRINT): RUBEN PONTHOS

10/28/94

Sampler Signature	Date Sampled
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Arthur C. Estlin

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-004PZ 5'-7'	0850	SOL	25682.0
2	04-004PZ 8'-10'	1000	SOL	25683.8
3	TRIP BLANK	-	WATER	25684.6
4				
5				
6				
7				
8				

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	MeOH		
4						PAH-8020 PAH-8310 DRO-6010 DRO	256846 8/24/10/10/10
4							
1							

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
				Rob Enloe (COWICH)	Stacy Judge	11/28/14	1830
<p>Notes: now saw REQ'D, REMOVED</p> <p>Notes: now saw REQ'D, REMOVED</p>							

Additional Comments

now sow requirements



194480

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTech Report To: KATHERINE MORGANO Pace Client No. _____
Address: 4100 NEW LOP 410 #230 Bill To: ACCOUNTING Pace Project Manager: 94403
SAN ANTONIO TX 78229 P.O. # / Billing Reference: 1315-139 Pace Project No.: 94/03/500
Phone: (210) 731-0000 Project Name / No.: B. MITCHELL AND BROS *Requested Due Date: 21 May 1994

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	PRESERVATIVES					ANALYSES REQUEST	ANALYSES REQUEST				REMARKS
					NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		PH-8020	LEAD-8310	DRG-6810	GRD	
1	04-038PS 1'-3'	1230	501L	25692.7	7	5				2	✓	✓	✓	✓	✓ms/msd
2	04-038PS 5'-7' ms/msd	1300	501L	25693.5	6	4				2	✓	✓	✓	✓	LEAD/PAH comparison
3	04-038PS 10'-12'	1335	501L	25694.3	7	5				2	✓	✓	✓	✓	
4	04-035PS 1'-3'	1430	501L	25695.1	7	5				2	✓	✓	✓	✓	
5	04-035PS 5'-7'	1445	501L	25696.0	5	3				2	✓	✓	✓	✓	(DISCREPANCY LEAD/PAH ANALYSIS NOT ENOUGH SAMPLES)
6	TRIP BLANK	-	WATER	25697.8	1						✓				
7															
8															

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mark Ellis (Optech)	Judith Morgan-Pace	10/31/94	10:50
							14 SEP 1994	10:22

Additional Comments: * FOLLOW SOW REQUIREMENTS



THE ASSURANCE OF QUALITY

194491

CHAIN-OF-CUSTODY RECORD

Analytical Request

Client 08721

Report To: KATHLEEN MERRILL

Pace Client No.

Address 4100 NW Loop 410 #230

Bill To: Accountancy

51N AUTO A10 TX 78229

P.O. # / Billing Reference 1315-139

Phone (210) 731-0000

Project Name / No. B. MITCHELL ANK-B

*Requested Due Date: 21 DAY TAT

Sampled By (PRINT):

March 23 1932

Date Sampled

10/31/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-001PZ 1'-3'	1100	SOIL	25743.7
2	04-001PZ 5'-7'	1115	SOIL	25743.5
3	04-003PZ 1'-3'	1355	SOIL	25744.3
4	04-003PZ 5'-7'	1510	SOIL	25745.1
5	04-003PZ 1'-3'	0930	SOIL	25746.0
6	04-003PZ 3'-5' Dup	0940	SOIL	25747.8
7	04-003PZ 5'-7'	0945	SOIL	25750.0
8	TRAP BULK	-	-	25753.3

[illegible]

COOLER NO.

BAILERS

SHIPMENT METHOD

1

ITEM

REINQUISHED BY / ADOPTION

ACCEPTED BY AFFILIATION

10

Additional Comments

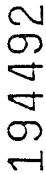
* Follow saw requirements

Male Excluder (EPTBCH)

(H2H) Impulse/Ace 10/31/94 1800
11/1/99 12:00

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very long letter, and it contains a great deal of information about the state of the country at that time. The President talks about the war, the economy, and the future of the country. He also talks about the role of the government and the people. The letter is written in a very formal and dignified style, and it is a very important document in the history of the United States.

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CHAIN-OF-CUSTODY RECORD

Analytical Request

Pace Client No. 101819
Pace Project Manager TRM
Pace Project No. 941102.577
*Requested Due Date: 2/04/74

*Requested Due Date: 2/ day 7A7

PRESERVATIVES	ANALYSES REQUEST

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAC NO.	RELINQUISHED BY / AFFILIATION										DATE	TIME
					Me	VoA	HNO	H ₂ SO ₄	UNP	NO.	NO.	NO.	NO.	NO.		
1	04-015 PS 1-3	1010	SOIL	25906.3												
2	04-015 PS 3-5	1039	SOIL	25907.1												
3	04-004 PZ - GW	0700	WATER	25908.0												
4	TRIP BLANK	-	WATER	25909.8												
5																
6																
7																
8																

Additional Comments

PLEASE FOLLOW SOW REQUIREMENTS

Additional Comments

~~PLEASE~~ FOLLOW SOW REQUIREMENTS

CONFIDENTIAL



CHAIN-OF-CUSTODY RECORD

Analytical Request

Report To: Kathleen Mervino

Pace Client No. 101819

Bill To: Accounting TRM
Pace Project Manager

P.O. # / Billing Reference 1315-139 Pace Project No. 94102.577

Project Name / No. B. MICHELE ANGELS

Sampled By (PRINT):

MARK SCOBAR

Sampler Signature

Date Sampled

11/1/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	ON
1	04-011PS 1-3	1570	SOIL	25876.9	6
2	04-011PS 5-7	1509	SOIL	25877.7	6
3	04-012PS 5-7	1400	SOIL	25878.5	4
4	04-013PS 1-3	1340	SOIL	25879.2	7
5	04-013PS 3-5	1620	SOIL	25908.0	7
6	04-013PS 5-7	1635	SOIL	25903.9	5
7	04-014PS 1-3	1120	SOIL	25904.7	7
8	04-014PS 7-9	1140	SOIL	25905.5	7
COOLING NOS.		BAILERS		SHIPMENT METHOD	RETURNED DATE
				OUT DATE	

Additional Comments

* Please Follow SDW Regulations.

[illegible]

ORIGINAL

CHAIN-OF-CUSTODY RECORD

Analytical Request

Client OpTech

Report To: KATHY LEE W. 6721 W.

Pace Client No.

Address 4100 NW Loop 410 #230

Bill To: Accounting

Pace Project Manager

SAN ANTONIO TX 78259

P.O. # / Billing Reference 1315-139

Pace Project No. 9241103-576

Phone (210) 731-0000

Project Name / No. B. Mitter AUG-BS3

*Requested Due Date: 2/04/17

Sampled By (PRINT):

MARK ESCOBAR

 Sampler Signature Date Sampled

11/2/94

11/2/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-004PS 1'-3'	1045	501C 26082.7	
2	04-016PS 1'-3'	0920	501C 26083.5	
3	04-017PS 3'-5'	0930	501C 26084.3	
4	04-018PS 1'-3'	0710	501C 26086.0	
5	04-018PS 5'-7'	0720	501C 26089.4	
6	04-034PS 1'-3'	1350	501C 26090.8	
7	04-034PS 3'-5'	1415	501C 26091.6	
8	04-031PS 1'-3'	1445	501C 26093.2	

COOLER NOS	BAILERS	SHIPMENT METHOD	OUT DATE	RETURNED DATE

Additional Comments

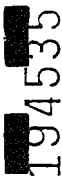
* Follow Show Requirements

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HCL		
54					MeCH	✓	LIMITED BOTTLES FOR DRUG/CRU
54						✓	(1 11)
54						✓	(1 11)
43						✓	LEAD/PATH ANALYSIS COMPLETED.
43						✓	LEAD/PATH ANALYSIS COMPLETED.
75						✓	PATH/LEAD ANALYSIS COMPLETED.
43						✓	PATH/LEAD ANALYSIS COMPLETED.
75						✓	PATH/LEAD ANALYSIS COMPLETED.

DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
		Malinda (COTC) Judd / Pac		11/29/18	11:45

CONFIDENTIAL

SEE REVERSE SIDE FOR INSTRUCTIONS



CHAIN-OF-CUSTODY RECORD

Analytical Request

Report To: KATHLEEN MORGANO

Pace Client No.

Bill To: Accounting

P.O. # / Billing Reference **B15-139**

Project Name / No. B. MITRA AN 615

*Requested Due Date: 2/07/11

Sampled By (PRINT):

MAK 630892

	Date Sampled _____
	Sampler Signature _____

 Sample Signature

11/2/04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04- 03P 031PS 5-7'	1500	SOIL	26095.9
2	04-032PS 1-3	1550	SOIL	26097.5
3	TRIP BLANK	—	WATER	26102.5
4				
5				
6				
7				
8				

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	MeOH		
32					MeOH	✓ ✓ ✓ ✓ ✓ ✓	Not enough recovery For DRUG ANALYSIS 26102.5 Sept 11/15/01
75						✓ ✓ ✓ ✓ ✓ ✓	
1						✓	

COOLER NO.	BAILERS	SHIPMENT METHOD OUT. DATE	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
							11/29/15	1845
<p>Additional Comments</p> <p>* Follow saw requirements</p>								

Additional Comments

* Follow Sow Requirements

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTech Report To: KATHLEEN MORANO Pace Client No. 101819
Address: 9100 NW LOOP 410 #230 Bill To: ACCOUNTING Pace Project Manager TRM
City: SAN ANTONIO TX 78229 P.O. # / Billing Reference 1315-139 Pace Project No. 94104-512
Phone: (210) 731-0000 Project Name / No. G.M. INTERELL ANALYSIS *Requested Due Date: 21 DAY TRT

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS				PRESERVATIVES				ANALYSES REQUEST	VOA - 8020				VOA - 8310				LEAD - 6010				LEAD - 239.2				GRO				REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HL	MeOH	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HL	MeOH	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HL	MeOH	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HL	MeOH	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HL	
1	04-001PZ-6W	1156	WATER	26305.6	6	1	1	3	1																									SHORT SAMPLE ON DATA. NOT ENOUGH WATER TO SAMPLES OTHER PHASES.
2	04-002PZ-6W	1600	WATER	26304.4	6	1	1	3	1																									
3	04-003PZ-6W	1630	WATER	26305.2	3																													
4	EB-SPLIT SPOON	0640	WATER	26306.0	6	1	1	3	1																									*RESAMPLES
5	EB-BAILER	0700	WATER	26307.9	6	1	1	3	1																									
6	04-020 PS 1'-3'	1325	SOIL	26308.7	2	2																												
7	04-023 PS 1'-3'	1400	SOIL	26309.9	1	1																												
8	04-023 PS 3'-5' MS/MSO	1416	SOIL	26311.7	1	1																												26310.9' Sample 11/1/94

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
Additional Comments: * Follow soil requirements Made Ede (GREEN) Sample bags / PACE								
							11/3/94	1800
							11/4/94	1500

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client DPTBCH Report To: KATHLEEN MORINO Pace Client No. 101819
 Address 4100 NW LOOP 410 #230 Bill To: ACCOUNTING Pace Project Manager TRM
SAN ANTONIO TX 78229 P.O. # / Billing Reference 1315-139 Pace Project No. 941104-512
 Phone 210 731-0000 Project Name / No. A. M. INTERLUKE *Requested Due Date 31 DAY 788

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	PRESERVATIVES					ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	HCL		
1	04-023PS 5'-7'	1420	SOIL	26312.5	1						RESAMPLED
2	04-027PS 1'-3'	1440	SOIL	26315.3	3						
3	04-027PS 5'-7'	1450	SOIL	26314.1	1						
4	04-028PS 1'-3'	1500	SOIL	26315.0	1						
5	04-028PS 5'-7'	1515	SOIL	26316.8	1						
7	Trip Blank (center)			26318.4	1					H ₂ O ₂	Start 11/4/94 26518.4
8	Trip Blank (soil)			26317.6	1					H ₂ O ₂	Start 11/4/94

Additional Comments: Follow SOW REQUIREMENTS

Relinquished By / Affiliation: Mark Eiler (DPTBCH) Accepted By / Affiliation: Supplinger JACE
 Date: 11/3/94 1800 Date: 11/4/94 1500

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS



194496

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTTECH
Address 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone 210 731-0000

Report To: KATHLEEN MORALES
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-139

Pace Client No. 101819
Pace Project Manager TRM
Pace Project No. 94110.511

Sampled By (PRINT): MARK ESCOBAR
Date Sampled 11/9/94
Project Name / No. 1315-139 K. MORALES *Requested Due Date: 31 DAY TAT

ITEM No.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS				PRESERVATIVES				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	MeOH	VOA	HNO ₃	MeOH		
1	04-005 MW	1100	WATER	26845.3	6	1	1	3	1	✓	✓	✓	✓	STRONG ODOR.
2	04-003 MW	0830	WATER	26846.1	6	1	1	3	1	✓	✓	✓	✓	STRONG ODOR.
3	04-003 MW - DUP	0900	WATER	26847.0	6	1	1	3	1	✓	✓	✓	✓	
4	04-002 MW	0930	WATER	26848.8	6	1	1	3	1	✓	✓	✓	✓	
5	EB- BAILER	0900	WATER	26849.6	6	1	1	3	1	✓	✓	✓	✓	EQUIPMENT BLANK
6														
7	Trip Blank			26850.0									✓	Sampled 11/10/94
8														

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME

Additional Comments
* FOLLOW SOW REQUIREMENTS
CP MacEwen (owner)
Sampled / PACE
11/9/94 1300
11/10/94 1530



205587

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Operational Technologies
Address: 4100 NW Loop 410
San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Accounting
P.O. # / Billing Reference: 1315-139
Project Name / No.: Billy Mitchell

Pace Client No. 101819

Pace Project Manager TRM

Pace Project No. 94/221-573

*Requested Due Date:

Sampled By (PRINT):

A. Kathleen Merino

Sampler Signature: Date Sampled

A. Kathleen Merino 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.
1	Trip Blanks	1630	Water	503994
2	Equipment Blank	1630		503933
3		1630		
4		1630		
5		1630		
6	Field Blank	1635		503950
7		1635		
8		1635		

NO. OF CONTAINERS

PRESERVATIVES

UNPRESERVED

H₂SO₄

HNO₃

VOA

HCl

ANALYSES REQUEST

6010
DR0
8310
8020
6020

COOLERS
Trips provided by Pace

COOLER NOS. BAILEYS SHIPMENT METHOD OUT DATE RETURNED DATE

ITEM NUMBER

RELINQUISHED BY AFFILIATION

ACCEPTED BY AFFILIATION

DATE

TIME

20 Dec 1840

Additional Comments

Please analyze trip blanks for the same as previous lab submissions.



2055585

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Kathleen Merino
Bill To: Accting
P.O. # / Billing Reference: 1315-139
Project Name / No.: Billy Mitchell
Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 941221503
*Requested Due Date:

Client: Op Tech
Address: 4100 NW Loop 410
San Antonio, TX 78229
Phone: (210) 731-0000

Sampled By (PRINT): A. Kathleen Merino
Sampler Signature: [Signature] Date Sampled: 20 Dec 94

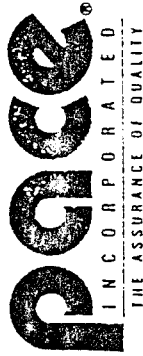
ITEM NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
		UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	3					6010 D20 8310 GRO 8020	
2	1						
3	1						
4	1						
5	1						
6	3						
7	1						
8	1						

ITEM NO.	SHIPMENT METHOD	DATE	TIME
1	303920	1635	1840
2	303920	1635	
3	303920	1635	
4	303920	1635	
5	303920	1635	
6	303920	1635	
7	303920	1635	
8	303920	1635	

COOLER NOS. SAILERS SHIPMENT METHOD RETURNED DATE

Additional Comments

SEE REVERSE SIDE FOR INSTRUCTIONS



205586

CHAIN-OF-CUSTODY RECORD

Analytical Request

Client

OpTech

Address 4100 NW Loop 410

San Antonio, TX 78229

Phone (209) 731-0000

Sampled By (PRINT): /

Sampled By (PRINT): A. Kathleen Merino

Sampler Signature _____ **Date Sampled** _____

Sampler Signature *A. Kuzm* Date Sampled 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	ON
1	04-004 MW	1330	1210	3031-73	3
2	04-001 MW	1330	1210	3058-0	3
3	11	1330	1210	3058-0	3
4	11	1330	1210	3058-0	3
5	11	1330	1210	3058-0	3
6	04-002 MW	1435	1210	3058-0	3
7	11	1435	1210	3058-0	3
8	11	1435	1210	3058-0	3

Additional Comments

04-001 MW Dup : 30387.9

[illegible]



205584

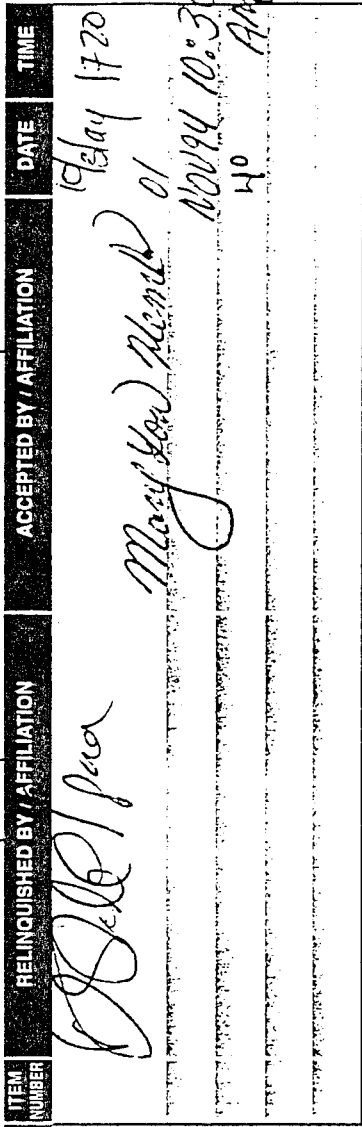
CHAIN-OF-CUSTODY RECORD
Analytical Request

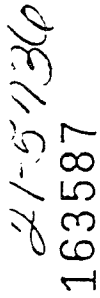
Client: Op Tech Report To: Kathleen Merino Pace Client No. 101819
Address: 4100 NW Loop 410 Bill To: Accounting Pace Project Manager TRM
San Antonio, TX 78229 P.O. # / Billing Reference 1315-139 Pace Project No. 94221.513
Phone: (210) 731-0000 Project Name / No. Billy Mitchell *Requested Due Date:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	PRESERVATIVES				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	04-002 MW	1350	11	3050.7				X	6010 4310 4200	
2	04-003 MW	1550	11	3050.5				X		
3	11	1550	11					X		
4	11	1550	11					X		
5	11	1550	11					X		
6	11	1550	11					X		
7	11	1550	11					X		
8	Tip Blanks / cooler 2/3			3040.0				X		

COOLER NOS.	SAILERS	SHIPMENT METHOD	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY	AFFILIATION	ACCEPTED BY	AFFILIATION	DATE	TIME
					<i>[Signature]</i>	722	<i>[Signature]</i>	722	20 DEC	1840
					<i>[Signature]</i>		<i>[Signature]</i>		20 DEC	1840

Additional Comments





CHAIN-OF-CUSTODY RECORD

Analytical Request

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date:

Report To:

Bill To:

P.O. # / Billing Reference

Project Name / No.

Sampled By (PRINT):

[illegible]

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	04-005 PS S'-7'	10/21	S	25017.1
2	04-002 PS	10/21	S	25018.0
3	04-001 PS 1'-3'	10/21	S	25019.8
4	04-001 PS S'-7'	10/21	S	25020.1
5	Eg Blank	10/27	W	25559.9
6				
7				
8				

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	RETURNED / DATE

Additional Comments

2 weeks TAT
Tabular Report + Raw Data

NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
✓	(MC)				PAH 83/0	94-S4053 ✓
✓					X	94-S4054 ✓
✓					X	94-S4055 ✓
✓					X	94-L23502 ✓

ITEM NUMBER	REINQUIRED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	<i>Edell / pre</i>	<i>May Your Honor</i>	<i>11/31/94</i>	<i>1720</i>
			<i>NOV 01</i>	<i>10:30</i>
			<i>94</i>	<i>40 AM</i>

THE EVERETT COLLECTION



21-3930
163592

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Todd Michell

Bill To: _____

P.O. # / Billing Reference _____

Project Name / No. _____

*Requested Due Date: _____

Client: Pace Inc.

Address: 1710 Douglas Pt. N.

Mpls, MN 55422

Phone: 525-3435

Pace Client No. _____

Pace Project Manager _____

Pace Project No. _____

Sampled By (PRINT): _____

Sampler Signature _____ Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS				PRESERVATIVES				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA						
1	04-003 PS	10/21	EXT	25011.2	X								X	94-L24033 ✓
2	04-006 PS	10/21	EXT	25015.5	X								X	94-L24034 ✓
3	04-002 PS	10/21	EXT	25018.0	X								X	94-L24035 ✓
4	FB	10/21	EXT	25022.8	X								X	94-L24036 ✓
5	EB	10/21	EXT	25023.6	X								X	94-L24037 ✓
6	EB	10/21	EXT	25024.4	X								X	94-L24038 ✓
7	EB	10/21	EXT	25025.2	X								X	94-L24039 ✓
8	EB	10/21	EXT	25026.0	X								X	94-L24040 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD	
		OUT / DATE	RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
-------------	-------------------------------	---------------------------	------	------

cc: [signature] / pace
FED EX
11/30/1800
May 2nd 11:30 AM
2/10 94

Additional Comments

2 week lat TAT

- Tabular Report + Raw Data

TO: MVTZ

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS



Client Pace Inc.

Address 1710 Douglas Dr. N.

Mpls, MN 55422

Phone 525-3435

Sampled By (PRINT):

Sampler Signature _____ Date Sampled _____

21-9150
163591

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Todd Mitchell Pace Client No. _____

Bill To: _____

P.O. # / Billing Reference _____

Project Name / No. _____

*Requested Due Date: _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
						UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	04-005PS-GW	10/24	EXT	25187.5	X					X	94-L24061 ✓
2	04-001PS	10/24	EXT	25190.9	X					X	L24062 ✓
3	FB	10/25	EXT	25291.3	X					X	L24063 ✓
4	FB	10/25	EXT	25292.1	X					X	L24064 ✓
5	EB	10/25	EXT	25293.0	X					X	L24065 ✓
6	EB	10/25	EXT	25294.8	X					X	L24066 ✓
7	EB	10/25	EXT	25295.0	X					X	L24067 ✓
8	04-007PS	10/25	EXT	25297.2	X					X	L24068 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
Additional Comments								
3 weeks TAT								
Tabular Report + Raw Data								
Shelley/Pace MN Feb EX 11/30/94 18:00								
Feb EX Mary How Mem REV 11/30								
210 94 AM								

SEE REVERSE SIDE FOR INSTRUCTIONS



Client Pace Inc.

Address 1710 Douglas Dr. N.

Mpls, MN 55422

Phone

Sampled By (PRINT):

5255-3435

Sampler Signature

Date Sampled

ITEM NO. SAMPLE DESCRIPTION TIME MATRX PACE NO.

1 04-009PS

10/125 Wdr

Ext 35298.0

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COOLER NOS.

BAILERS

SHIPMENT METHOD
OUT / DATE RETURNED / DATE

Additional Comments

2 weeks TAT
Tabular Report + Raw Data
To: MVTZ

163590

CHAIN-OF-CUSTODY RECORD
Analytical Request

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date:

Report To:

Bill To:

P.O. # / Billing Reference

Project Name / No.

NO. OF CONTAINERS

PRESERVATIVES

UNPRESERVED

H₂SO₄

HNO₃

VOA

ANALYSES
REQUEST

REMARKS

94-L24069

ITEM
NUMBER

RELINQUISHED BY / AFFILIATION

ACCEPTED BY / AFFILIATION

DATE

TIME

Longbridge / Pace and FED EX
11/3/94 18:00
Mary Lou Hand
11/3/94 11:31 AM
2:1

OFF REVERSE SIDE FOR INSTRUCTIONS



CHAIN-OF-CUSTODY RECORD

Analytical Request

Page 102

Address 1710 Douglas Dr. N.

227555 764 51041

525-1-3455

Sampled By (PRINT):

Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	ON
1	04-007 PS-1'-3'	10/24	Sail	25191.7	X
2	04-007 PS-5'-7'	10/24	Sail	25192.5	X
3	04-008 PS-1'-3'	10/24	Sail	25193.3	X
4	04-008 PS--9'-10'	10/24	Sail	25194.1	X
5	04-009 PS-1'-3'	10/24	Sail	25195.0	X
6	04-009 PS-5'-9'	10/24	Sail	25196.8	X
7	04-010 PS-5'-7' FD	10/25	Sail	25302.2	X
8	04-010 PS-8'-10'	10/25	Sail	25303.0	X
COOLER NOS.		SHIPMENT METHOD		RETURNED / DATE	
		OUT / DATE			
		BAILERS			

Additional Comments

2 weeks TAT

Tabular Report + Raw Data

PRESERVATIVES	ANALYSES REQUEST	REMARKS
UNPRESERVED	PAH 8310	94-54177
H ₂ SO ₄		54178
HNO ₃		54179
VOA		54180
		54181
		54182
		54183
		54184

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Duffault/PRE MAC	FED EX	11/30/87	18:00
	FED EX	Manslow MEMO	Nov 11, 89	11:30 AM

SEE REVERSE SIDE FOR INSTRUCTIONS



Report To: Todd H. Helle

Bill To:

P.O. # / Billing Reference

Phone _____ Project Name / No. _____

*Requested Due Date:

Sampled By (PRINT):

	Date Sampled
	Sampler Signature

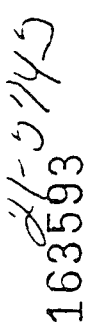
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. C.	UNP.	H.S.C.	HNO.	VOA.	T ₂	RELINQUISHED BY / AFFILIATION				ACCEPTED BY / AFFILIATION		DATE	TIME
											ITEM NUMBER	SHIPMENT METHOD	OUT. DATE	RETURNED DATE	COOLER NOS.	BAILERS		
1	04-000PS 1-3	0/26	5000	2535410	X						X						94-54183	
2	04-020PS 1-3	0/26	5000	2535388	X						X						54186	
3	04-023PS 1-3	0/26	5000	2535376	X						X						54187	
4	04-023PS 1-3	0/26	5000	2535307	X						X						54188	
5	04-023PS 1-3	0/26	5000	2535318	X						X						54189	
6	04-027PS 1-3	0/26	5000	2536276	X						X						54190	
7	04-028PS 1-3	0/26	5000	2536544	X						X						54191	
8	04-028PS 1-3	0/26	5000	2536772	X						X						54192	

Additional Comments

2 weeks TAT
Tabular Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS



Address 1710 Douglas Dr. N.
Mpls, MN 55422

Bill To: _____

P.O. # / Billing Reference _____

Date Sampled	
Sampler Signature	

[illegible]

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT - DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
Additional Comments								
2 weeks TAT								
Tabular Report & Raw Data								
To: MVTI								
ORIGINAL								



Client Pace Inc.

Address 1710 Douglas Dr. N.

Mpls, MN 55422

Phone 525-3435

Sampled By (PRINT):

Sampler Signature _____ Date Sampled _____

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Todd Mitchell Pace Client No. _____

Bill To: _____ Pace Project Manager _____

P.O. # / Billing Reference _____ Pace Project No. _____

Project Name / No. _____ *Requested Due Date: _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ O ₂	HNO ₃	VOA		
1	04-029 PS 1'-3'	10/28	Sail	25674.9	X				X	94-54200 ✓
2	04-029 PS 5'-7'	10/28	Sail	25675.7	X				X	54201 ✓
3	04-025 PS 1'-3'	10/28	Sail	25676.5	X				X	54202 ✓
4	04-025 PS 3'-5' Dup	10/28	Sail	25677.3	X				X	54203 ✓
5	04-025 PS 10'-12'	10/28	Sail	25678.1	X				X	54204 ✓
6	04-030 PS 1'-3'	10/28	Sail	25679.0	X				X	54205 ✓
7	04-030 PS 5'-7'	10/28	Sail	25680.3	X				X	54206 ✓
8	04-004 PS 1'-3'	10/28	Sail	25681.1	X				X	54207 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
						Singh, Pace and FES Ex	Mary Lou Hurd FES Ex	11/29/18	18:00
						FES Ex	FES Ex	04 Nov 11:30	
								94	AM
								2.11C	

Additional Comments

2 week TAT + Raw Data
Tabular Report
To: MUTL



21-5745
163595

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Todd Mitchell

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date:

Client: Pace Inc.

Address: 1710 Douglas Dr. N.

Maple, MN 55422

Phone: 525-3435

Sampled By (PRINT):

Date Sampled

Sampler Signature

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	PRESERVATIVES				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	04-004 PS 5'-7'	10/28	Soil	25682.0	X				X	94-54208 ✓
2	04-004 PS 8'-10'	10/28	Soil	25683.8	X				X	54209 ✓
3	04-038 PS 1'-3'	10/29	Soil	25692.7	X				X	54210 ✓
4	04-038 PS 5'-7'	10/29	Soil	25693.5	X				X	94-54211MS/MSD ✓
5	04-038 PS 10'-12'	10/29	Soil	25694.3	X				X	54212 ✓
6	04-035 PS 1'-3'	10/29	Soil	25695.1	X				X	54213 ✓
7	04-035 PS 5'-7'	10/29	Soil	25696.0					X	NOT SENT 9/13/94

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	SPM/AC/ACE/PA/CE/MN FEB EX	FEB EX	11/3/94	18:00
	FEB EX	Mary (you) HEMP	NOV 94	11:30 AM
		210C		

Additional Comments

2 weeks TNT

Taken Can Report + Raw Data

To: MVT

2/15/2010

C2/2

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.

Address: 1710 Douglas Dr. N.

Mpls, MN 55422

Phone: 525-3435

Report To: Todd Hillel

Pace Client No.

Bill To:

Pace Project Manager

P.O. # / Billing Reference

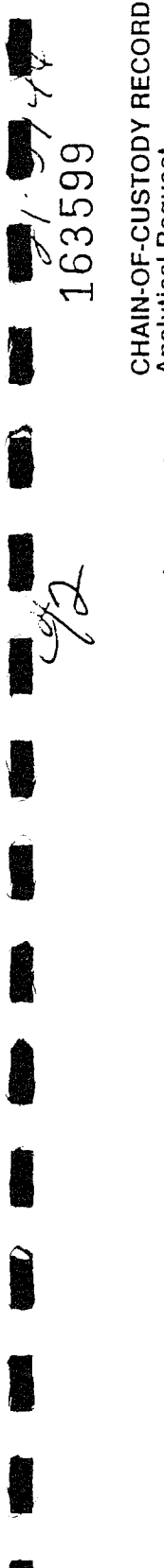
Pace Project No.

Project Name / No.

*Requested Due Date:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS
						UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	04-001PZ 1'-3'	10/31	Sail	25742.7	X					X	94-54226 ✓
2	04-002PZ 1'-3'	10/31	Sail	25744.3	X					X	4227 ✓
3	04-002PZ 5'-7'	10/31	Sail	25745.1	X					X	4228 ✓
4	04-003PZ 1'-3'	10/31	Sail	25746.0	X					X	4229 ✓
5	04-003PZ 5'-7'	10/31	Sail	25750.8	X					X	4230 ✓
6											
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COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME



Phone 525-2435

Date Sampled

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	RETURNED / DATE

Tabular Report to Raw Data
 10/11/54
 to: ~~File~~ MTL

~~McIntyre~~/PAC-MN
FEB EX
MAY 18-00
Mary Lou Hamel
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3:30C

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21-5761 195014

CHAIN-OF-CUSTODY RECORD
Analytical Request

Report To: Tom Mitchell

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date: 11/22/94

Client: Pace Inc.
Address: 1710 Douglas Dr. N.
Mpls, MN 55422
Phone: 525-3437

Sampled By (PRINT):

Sampler Signature: _____ Date Sampled: _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	PRESERVATIVES				ANALYSES REQUEST	REMARKS
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		
1	04-001 MW	11/8	H2O	26751.1	1					94-L 24634 ✓
2	04-004 MW	11/8	H2O	26752.0	1					94-L 24635 ✓
3										
4										
5										
6										
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8										

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT DATE	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
						<u>Jeff Olson</u> <u>Pace</u> <u>F&S EX</u>	<u>F&S EX</u>	<u>11/9/94</u>	<u>7:00</u>
						<u>May Lou Nemb</u>		<u>10/35</u>	<u>10:35</u>
						<u>10/35</u>		<u>5A</u>	<u>AM</u>
						<u>10/35</u>		<u>4.10C</u>	

Additional Comments

ATTN: Jeff Olson

TO: MVT



CHAIN-OF-CUSTODY RECORD

Analytical Request

Report To: Todd H. Hall

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date: 11/25/94

ANALYSES
REQUEST

11/9/94

MATRIX PAGE NO.

460 26845.3

1958

0175892 02H

460.26848,95

470 26849.6

SHIPMENT METHOD

Additional Comments

2 weeks TAT
Tabular Report + Raw Data

To: MVT

ORIGINAL

SECRET

21-5951:

CHAIN-OF-CUSTODY RECORD

Analytical Request

Client

Paco Inc

Report To:

Todd Mitchell

Address

1710 Douglas Dr. N

44pls, MN 554

Phone

525-3437

Sampled By (PRINT):

Sampler Signature

Date Sampled

Sampled By (PRINT):				Date Sampled				Sampler Signature				Date Sampled				
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS				PRESERVATIVES				ANALYSES REQUEST	REMARKS		
					UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA								
1	250899.7	X	11/1									PA# 8310	94-54250	✓		
2	260882.7	X	11/2									X	54251	✓		
3	26083.5	X	11/2									X	54252	✓		
4	26084.3	X	11/2									X	54253	✓		
5	26085.0	X	11/2									X	54254	✓		
6	26089.4	X	11/2									X	54255	✓		
7	26090.8	X	11/2									X	54256	✓		
8	26091.6	X	11/2									X	54257	✓		
													ACCEPTED BY / AFFILIATION		DATE	TIME

Additional Comments

3 Week TAT

Actual results are

Large pack and
F&S EX

Lyndee Pace and

238

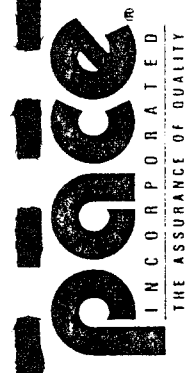
X3 53

Mary Lou Henderson

1.50

05:56 03/01/11

Q5N094 9:30 AM



P.L. 83 194448
21-5751
CHAIN-OF-CUSTODY RECORD
Analytical Request

Client Pace, Inc

Report To: T. Mitchell

Address _____

Bill To: _____

P.O. # / Billing Reference _____

Phone _____

Project Name / No. _____

*Requested Due Date: _____

Sampled By (PRINT): _____

Sampler Signature _____ Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.
1	26093.2	X	11/2	
2	26095.9	X	11/2	
3	26097.5	X	11/2	
4	26295.1	X	11/3	
5	26296.0	X	11/3	
6	26297.8	X	11/3	
7	26298.6	X	11/3	
8	26299.4	X	11/3	

NO. OF CONTAINERS		PRESERVATIVES				ANALYSES REQUEST	REMARKS			
UNPRESERVED		H ₂ SO ₄	HNO ₃	VOA						
						8310				
						X	94-54258 ✓			
						X	54259 ✓			
						X	54260 ✓			
						X	54261 ✓			
						X	54262 ✓			
						X	54263 ✓			
						X	54264 ✓			
						X	54265 ✓			

COOLING NOS.	BAILERS	SHIPMENT METHOD	RETURNED / DATE
		OUT / DATE	

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	IMP/Proje/PACE.MN FEB EX	FEB EX Mary Jane Mend	11/4/94	17:50
			05 NOV 94	9:30 AM
			2.50	

Additional Comments

2 week TRAT
Report results & raw data
T. MITT



21-5804 195021

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas P.W.
Mpls, MN 55422
Phone: (612) 525-3437
Report To: TODD MITCHELL
Bill To: SAME
P.O. # / Billing Reference:
Project Name / No.: Billy Mitchell

Pace Client No.

Pace Project Manager

Pace Project No.

*Requested Due Date: 1/9/94

Sampled By (PRINT):

Sampler Signature

Date Sampled

12/20/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.
1	04-001 MW	420		100303860
2	04-001 MW-DUP			100303877
3	04-002 MW			100303887
4	04-003 MW			100303895
5	04-004 MW			100303917
6	04-005 MW			100303925
7	Equipment Blank			100303933
8	Field Blank			100303950

NO. OF CONTAINERS

PRESERVATIVES	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA

ANALYSES REQUEST

PAGE 8510

REMARKS

94-L28668 ✓
L28669 ✓
L28670 ✓
L28671 ✓
L28672 ✓
L28673 ✓
L28674 ✓
L28675 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD	OUT DATE	RETURNED DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
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ADP-Michiro

12/20/94

Additional Comments

See Jeff Olson →
Need Raw Data

Mary Kay Hand

23 DEC 94

ORIGINAL

APPENDIX G

ANALYTICAL DATA

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The analytical data and associated QA/QC evaluation results for this site investigation are voluminous which makes complete distribution infeasible. Therefore, only two copies will be distributed with the final report. One copy will be sent the ANGRC/CEVR in care of Ruth Lodder, the project manager, and the second copy will be sent to General Billy Mitchell ANGB in care of Lt. Rob Huelsman, the environmental coordinator.

Summary tables of the data are included in this appendix. However, if a situation arises in which the complete data is required, the above referenced individuals can be contacted at the following addresses and telephone numbers.

Ruth Lodder
3500 Fletch Ave.
Andrews AFB, MD 20331-5157
(301) 981-8504

Lt. Rob Huelsman
1919 E. Grange Ave.
Milwaukee, WI 53207-6199
(414) 747-4186
DSN 580-8186

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	15	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	2.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	2.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	2.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	2.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.5	Toluene	1.3	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-004PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	5U	Methyl tert-butyl ether	2.0U
Benzene	1.0U	Benzene	6.8	Benzene	13
Ethyl benzene	1.0U	Ethyl benzene	53	Ethyl benzene	2.0U
Toluene	1.0U	Toluene	16	Toluene	2.0U
Total xylenes	1.0U	Total xylenes	120	Total xylenes	2.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	39	1,3,5-Trimethylbenzene	2.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	88	1,2,4-Trimethylbenzene	2.0U

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FD - Field Device

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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
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Volatile Organics - Method 8020 / 8015

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL		Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL		Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.1
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	5.3
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.2
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	5.1

Volatile Organics - Method 8020 / 8015

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL		Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL		Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2.5U
Benzene	1.0U	Benzene	1.0U	Benzene	110
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	2.5U
Toluene	1.0U	Toluene	1.0U	Toluene	2.5U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	2.5U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	2.5U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2.5U

Volatile Organics - Method 8020 / 8015

Location: 04-013PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/01/94 Lab Number: 10 0259020 Matrix: SOIL		Location: 04-013PS 5'-7' Sample Date: 11/01/94 Lab Number: 10 0259039 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	2.4	Toluene	1.0U	Toluene	1.0U
Total xylenes	3.8	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	8.7	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	4.7	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

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Volatile Organics - Method 8020 / 8015

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL		Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.4	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	2.6	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	5.9	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL		Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL		Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL	
Methyl tert-butyl ether	-	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	-	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	-	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	-	Toluene	1.0U	Toluene	1.0U
Total xylenes	-	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	-	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	-	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL		Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL		Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.2
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.9
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.3
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.8

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Volatile Organics - Method 8020 / 8015

Location: 04-014PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/01/94 Lab Number: 10 0259055 Matrix: SOIL		Location: 04-015PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259063 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2500U	Methyl tert-butyl ether	5U
Benzene	1.0U	Benzene	6500	Benzene	9.3
Ethyl benzene	1.0U	Ethyl benzene	24000	Ethyl benzene	120
Toluene	1.0U	Toluene	4400	Toluene	35
Total xylenes	1.0U	Total xylenes	46000	Total xylenes	520
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	46000	1,3,5-Trimethylbenzene	46
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	110000	1,2,4-Trimethylbenzene	160

Volatile Organics - Method 8020 / 8015

Location: 04-015PS 3'-5' Sample Date: 11/01/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL		Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL	
Methyl tert-butyl ether	2500U	Methyl tert-butyl ether	100U	Methyl tert-butyl ether	1.0U
Benzene	2900	Benzene	1500	Benzene	1.0U
Ethyl benzene	41000	Ethyl benzene	4400	Ethyl benzene	1.0U
Toluene	26000	Toluene	890	Toluene	1.0U
Total xylenes	190000	Total xylenes	6300	Total xylenes	1.0U
1,3,5-Trimethylbenzene	26000	1,3,5-Trimethylbenzene	290	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	68000	1,2,4-Trimethylbenzene	550	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL		Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	100U
Benzene	0.8J	Benzene	1.9	Benzene	310
Ethyl benzene	4.3	Ethyl benzene	2.5	Ethyl benzene	210
Toluene	1.0U	Toluene	1.0U	Toluene	620
Total xylenes	2.2	Total xylenes	2.7	Total xylenes	770
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	330

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Volatile Organics - Method 8020 / 8015

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	-
Benzene	0.6 J	Benzene	1.0U	Benzene	-
Ethyl benzene	1.8	Ethyl benzene	1.0U	Ethyl benzene	-
Toluene	1.9	Toluene	1.0U	Toluene	-
Total xylenes	4.7	Total xylenes	1.0U	Total xylenes	-
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	-
1,2,4-Trimethylbenzene	5.1	1,2,4-Trimethylbenzene	1.6	1,2,4-Trimethylbenzene	-

Volatile Organics - Method 8020 / 8015

Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL		Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL		Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL	
Methyl tert-butyl ether	1000U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1000U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	42000	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	14000	Toluene	1.1	Toluene	1.8
Total xylenes	140000	Total xylenes	1.2	Total xylenes	1.0U
1,3,5-Trimethylbenzene	350000	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	58000	1,2,4-Trimethylbenzene	4.4	1,2,4-Trimethylbenzene	1.3

Volatile Organics - Method 8020 / 8015

Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL		Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL		Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.2	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.8	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.5	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.9	1,2,4-Trimethylbenzene	1.0U

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Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL		Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL		Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL		Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL		Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.1
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	5.3	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL		Location: 04-026PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255661 Matrix: SOIL		Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	4.0	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	4.0	Toluene	1.0U	Toluene	1.0U
Total xylenes	6.0	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	4.2	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

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Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL		Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL		Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2500U
Benzene	1.0U	Benzene	1.0U	Benzene	2500U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	26000
Toluene	1.0U	Toluene	1.3	Toluene	4100
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	110000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	29000
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	74000

Volatile Organics - Method 8020 / 8015

Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL		Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL		Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	3.5	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL		Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL		Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL		Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL		Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL		Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL		Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL		Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL		Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.1
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

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Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL		Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL		Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.8

Volatile Organics - Method 8020 / 8015

Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL		Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL		Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	2.2	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL		Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL		Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.1	Toluene	1.2	Toluene	1.0U
Total xylenes	1.2	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

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MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL		Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL		Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1000U	Methyl tert-butyl ether	2500U
Benzene	1.0U	Benzene	1000U	Benzene	25000
Ethyl benzene	1.0U	Ethyl benzene	8900	Ethyl benzene	68000
Toluene	1.0U	Toluene	6700	Toluene	130000
Total xylenes	1.0U	Total xylenes	40000	Total xylenes	300000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	18000	1,3,5-Trimethylbenzene	45000
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	34000	1,2,4-Trimethylbenzene	120000

Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL		Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL		Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	9.5	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	4.1	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	9.4	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	8.2	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	4.8	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	21	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	16	Benzene	1.0U	Benzene	0.7
Ethyl benzene	2.8	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	2.5	Toluene	1.0U	Toluene	1.0U
Total xylenes	16	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	21	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	34	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	660
Benzene	1.0U	Benzene	5200	Benzene	7200
Ethyl benzene	1.3U	Ethyl benzene	3300	Ethyl benzene	3300
Toluene	3.1	Toluene	32000	Toluene	30000
Total xylenes	1.0U	Total xylenes	17000	Total xylenes	17000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	980	1,3,5-Trimethylbenzene	950
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2200	1,2,4-Trimethylbenzene	2400

Volatile Organics - Method 8020 / 8015

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	0.7J	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.5	Toluene	3.0	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	100U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	3900	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	3400	Ethyl benzene	1.3U
Toluene	260	Toluene	12000	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	20000	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	860	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2600	1,2,4-Trimethylbenzene	1.0U

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Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Methyl tert-butyl ether	2.3	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
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PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER		Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.1	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER		Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER		Location: Trip Blank C-1 Sample Date: 10/22/94 Lab Number: 10 0250120 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank C-2 Sample Date: 10/22/94 Lab Number: 10 0250210 Matrix: WATER		Location: Trip Blank C-3 Sample Date: 10/22/94 Lab Number: 10 0250279 Matrix: WATER		Location: Trip Blank Sample Date: 10/27/94 Lab Number: 10 0253650 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 10/29/94 Lab Number: 10 0256846 Matrix: WATER		Location: Trip Blank Sample Date: 10/31/94 Lab Number: 10 0256978 Matrix: WATER		Location: Trip Blank Sample Date: 10/28/94 Lab Number: 10 0255688 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank (water) Sample Date: 11/04/94 Lab Number: 10 0263184 Matrix: WATER		Location: Trip Blank Sample Date: 10/25/94 Lab Number: 10 0251976 Matrix: WATER		Location: Trip Blank (soil) Sample Date: 11/04/94 Lab Number: 10 0263176 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 11/09/94 Lab Number: 10 0267538 Matrix: WATER		Location: Trip Blank Sample Date: 11/10/94 Lab Number: 10 0268500 Matrix: WATER		Location: Trip Blank Cooler 1/1 Sample Date: 10/26/94 Lab Number: 10 0252964 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.

GW - Groundwater

MW - Monitoring Well

Dup - Duplicate

PS - Push Sample

PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
 (Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Cooler 2/2 Sample Date: 10/26/94 Lab Number: 10 0253049 Matrix: WATER		Location: Trip Blank Sample Date: 11/02/94 Lab Number: 10 0259098 Matrix: WATER		Location: Trip Blank Sample Date: 11/03/94 Lab Number: 10 0261025 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 11/01/94 Lab Number: 10 0257532 Matrix: WATER	
Methyl tert-butyl ether	1.0U
Benzene	1.0U
Ethyl benzene	1.3U
Toluene	1.0U
Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
 GW - Groundwater
 MW - Monitoring Well

Dup - Duplicate
 PS - Push Sample
 PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted)

Volatile Organics - Method 8020 / 8015

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER		Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER		Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER		Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER		Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER	
Methyl tert-butyl ether	200U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	4400	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	4100	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	28000	Toluene	1.0	Toluene	1.5
Total xylenes	21000	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1200	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	3100	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER		Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER		Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.4	Toluene	1.1	Toluene	1.0U
Total xylenes	1.3	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound was analyzed for but not detected.

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Cooler 2/2	
Sample Date: 12/21/94	
Lab Number: 10 0304000	
Matrix: WATER	
Methyl tert-butyl ether	1.0U
Benzene	1.0U
Ethyl benzene	1.3U
Toluene	1.0U
Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound was analyzed for but not detected.

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Diesel Range Organic Compounds	67	Diesel Range Organic Compounds	140	Diesel Range Organic Compounds	50
Gasoline Range Organics	5.0U	Gasoline Range Organics	62	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Diesel Range Organic Compounds	60	Diesel Range Organic Compounds	39	Diesel Range Organic Compounds	55
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Diesel Range Organic Compounds	52	Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	98
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	6.5U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL	
Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	-
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	-

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL	Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL	Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL
Diesel Range Organic Compounds 31 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 70 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 16 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL	Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL	Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL
Diesel Range Organic Compounds 46 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 14 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 21 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL	Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL	Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL
Diesel Range Organic Compounds 65 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 52 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 30 Gasoline Range Organics -

Diesel Range Organics - Method 8015

Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL	Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL	Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL
Diesel Range Organic Compounds 58	Diesel Range Organic Compounds 25 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 84 Gasoline Range Organics 5.0U

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Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL		Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL	
Diesel Range Organic Compounds	68	Diesel Range Organic Compounds	76	Diesel Range Organic Compounds	56
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL		Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL	
Diesel Range Organic Compounds	99	Diesel Range Organic Compounds	18	Diesel Range Organic Compounds	300
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	2300

Diesel / Gasoline Range Organics - Method 8015

Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL		Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL	
Diesel Range Organic Compounds	19	Diesel Range Organic Compounds	1300	Diesel Range Organic Compounds	45
Gasoline Range Organics	9.3	Gasoline Range Organics	1000	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL		Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL	
Diesel Range Organic Compounds	15	Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	150
Gasoline Range Organics	5.0U	Gasoline Range Organics	18	Gasoline Range Organics	25

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G

Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples

128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL	Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL	Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL
Diesel Range Organic Compounds 14 Gasoline Range Organics 8.0	Diesel Range Organic Compounds 70 Gasoline Range Organics 100	Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL	Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL	Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL
Diesel Range Organic Compounds 23 Gasoline Range Organics -	Gasoline Range Organics 24	Diesel Range Organic Compounds 69 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL	Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL	Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL
Diesel Range Organic Compounds 17 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 24 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 24 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL	Location: 04-023PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263109 Matrix: SOIL	Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL
Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 10U	Gasoline Range Organics 5.0U

U - Indicates compound analyzed for but not detected.

Dup - Duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample

PZ - Piezometer

FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-023PS 3'-5' Resample Sample Date: 11/04/94 Lab Number: 10 0263117 Matrix: SOIL	Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL	Location: 04-023PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263125 Matrix: SOIL
Diesel Range Organic Compounds 39	Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 25

Diesel / Gasoline Range Organics - Method 8015

Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL	Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL	Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL
Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 72 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 56 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL	Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL	Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL
Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 62 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 25 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-027PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263133 Matrix: SOIL	Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL	Location: 04-027PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263141 Matrix: SOIL
Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 67 Gasoline Range Organics -

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PS - Push Sample
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FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL	Location: 04-028PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263150 Matrix: SOIL	Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL
Gasoline Range Organics 220	Diesel Range Organic Compounds 460 Gasoline Range Organics -	Gasoline Range Organics 1600

Diesel / Gasoline Range Organics - Method 8015

Location: 04-028PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263168 Matrix: SOIL	Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL	Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL
Diesel Range Organic Compounds 790	Diesel Range Organic Compounds 45 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 32 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL	Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL	Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL
Diesel Range Organic Compounds 19 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 15 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 14 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL	Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL	Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL
Diesel Range Organic Compounds - Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 8.3J Gasoline Range Organics 5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
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Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL	Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL	Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL
Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 5.1U Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL	Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL	Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL
Diesel Range Organic Compounds 26 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 39 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 65 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL	Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL	Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL
Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 10U Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 100 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL	Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL	Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL
Diesel Range Organic Compounds 19 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 30 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 98 Gasoline Range Organics 5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL	Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL	Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL
Diesel Range Organic Compounds 21 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 54 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 15 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL	Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL	Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL
Diesel Range Organic Compounds 22 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 62 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 500 Gasoline Range Organics 3500

Diesel / Gasoline Range Organics - Method 8015

Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL	Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL	Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL
Diesel Range Organic Compounds 1700 Gasoline Range Organics 4600	Diesel Range Organic Compounds 83 Gasoline Range Organics 5.0U	Diesel Range Organic Compounds 26 Gasoline Range Organics 5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL
Diesel Range Organic Compounds 58 Gasoline Range Organics 5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	120	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Diesel Range Organic Compounds	0.21	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	280	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Diesel Range Organic Compounds	0.13	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	53	Diesel Range Organic Compounds	48
Gasoline Range Organics	50U	Gasoline Range Organics	78000	Gasoline Range Organics	74000

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	1.4	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	240	Gasoline Range Organics	55000	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.22	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER		Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER	
Diesel Range Organic Compounds	0.22	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	95	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER		Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER		Location: Trip Blank C-1 Sample Date: 10/22/94 Lab Number: 10 0250120 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.29	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank C-2 Sample Date: 10/22/94 Lab Number: 10 0250210 Matrix: WATER		Location: Trip Blank C-3 Sample Date: 10/22/94 Lab Number: 10 0250279 Matrix: WATER		Location: Trip Blank Sample Date: 10/27/94 Lab Number: 10 0253650 Matrix: WATER	
Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank Sample Date: 10/29/94 Lab Number: 10 0256846 Matrix: WATER	Location: Trip Blank Sample Date: 10/31/94 Lab Number: 10 0256978 Matrix: WATER	Location: Trip Blank Sample Date: 11/01/94 Lab Number: 10 0256978 Matrix: WATER
Gasoline Range Organics 50U	Gasoline Range Organics 50U	Gasoline Range Organics 50U

Gasoline Range Organics - Method 8015

Location: Trip Blank Sample Date: 10/28/94 Lab Number: 10 0255688 Matrix: WATER	Location: Trip Blank (water) Sample Date: 11/04/94 Lab Number: 10 0263184 Matrix: WATER	Location: Trip Blank Sample Date: 10/25/94 Lab Number: 10 0251976 Matrix: WATER
Diesel Range Organic Compounds - Gasoline Range Organics 50U	Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank (soil) Sample Date: 11/04/94 Lab Number: 10 0263176 Matrix: WATER	Location: Trip Blank Sample Date: 11/09/94 Lab Number: 10 0267538 Matrix: WATER	Location: Trip Blank Sample Date: 11/10/94 Lab Number: 10 0268500 Matrix: WATER
Diesel Range Organic Compounds - Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank Cooler 1/1 Sample Date: 10/26/94 Lab Number: 10 0252964 Matrix: WATER	Location: Trip Blank Sample Date: 11/02/94 Lab Number: 10 0259098 Matrix: WATER	Location: Trip Blank Sample Date: 11/03/94 Lab Number: 10 0261025 Matrix: WATER
Diesel Range Organic Compounds - Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Gasoline/Diesel Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless noted)

Diesel / Gasoline Range Organics - Method 8015

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER	Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER	Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER
Diesel Range Organic Compound 0.10U Gasoline Range Organics 50U	Diesel Range Organic Compounds 0.10U Gasoline Range Organics 50U	Diesel Range Organic Compounds 0.13 Gasoline Range Organics 50U

Diesel / Gasoline Range Organics - Method 8015

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER	Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER	Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER
Diesel Range Organic Compound 60 Gasoline Range Organics 100000	Diesel Range Organic Compounds 0.10 Gasoline Range Organics 50U	Diesel Range Organic Compounds 0.10U Gasoline Range Organics 50U

Diesel / Gasoline Range Organics - Method 8015

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER	Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER	Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER
Diesel Range Organic Compound 0.10U Gasoline Range Organics 50U	Diesel Range Organic Compounds 0.10U Gasoline Range Organics 50U	Diesel Range Organic Compounds - Gasoline Range Organics 50U

Gasoline Range Organics - Method 8015

Location: Trip Blank Cooler 2/2 Sample Date: 12/21/94 Lab Number: 10 0304000 Matrix: WATER
Gasoline Range Organics 50U

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL	Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL	Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL
Lead 7.5	Lead 7.0	Lead 6.0

Lead - Method 6010

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL	Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL	Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL
Lead 6.0	Lead 5.8	Lead 6.4

Lead - Method 6010

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL	Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL	Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL
Lead 12	Lead 14	Lead 7.5

Lead - Method 6010

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL	Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL	Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL
Lead 6.3	Lead 7.0	Lead 9.0

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL	Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL	Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL
Lead 3.2	Lead 8.0	Lead 7.8

Lead - Method 6010

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL	Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL	Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL
Lead 7.9	Lead 7.1	Lead -

Lead - Method 6010

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL	Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL	Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL
Lead 7.7	Lead 4.5	Lead 7.3

Lead - Method 6010

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL	Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL	Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL
Lead 8.4	Lead 7.8	Lead -

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL	Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL	Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL
Lead 14	Lead 22	Lead -

Lead - Method 6010

Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL	Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL	Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL
Lead 15	Lead 50	Lead 9.9

Lead - Method 6010

Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL	Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL	Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL
Lead 14	Lead 6.2	Lead 5.3

Lead - Method 6010

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL	Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL	Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL
Lead 11	Lead 5.1	Lead 12

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL	Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL	Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL
Lead 6.2	Lead 13	Lead -

Lead - Method 6010

Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL	Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL	Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL
Lead 5.8	Lead 15	Lead 4.0

Lead - Method 6010

Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL	Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL	Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL
Lead 1.6	Lead 6.2	Lead 12

Lead - Method 6010

Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL	Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL	Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL
Lead 10	Lead 2.7	Lead 9.9

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL	Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL	Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL
Lead 5.6	Lead 18	Lead 11

Lead - Method 6010

Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL	Location: 04-026PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255661 Matrix: SOIL	Location: 04-026PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0255670 Matrix: SOIL
Lead 7.9	Lead -	Lead 1.6

Lead - Method 6010

Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL	Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL	Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL
Lead 4.4	Lead 48	Lead 11

Lead - Method 6010

Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL	Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL	Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL
Lead 15	Lead 7.0	Lead 13

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL	Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL	Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL
Lead 5.4	Lead 16	Lead 5.8

Lead - Method 6010

Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL	Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL	Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL
Lead 6.0	Lead 6.3	Lead 10

Lead - Method 6010

Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL	Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL	Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL
Lead 9.4	Lead 12	Lead 5.7

Lead - Method 6010

Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL	Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL	Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL
Lead 12	Lead -	Lead 8.3

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL	Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL	Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL
Lead 9.6	Lead 25	Lead 6.5

Lead - Method 6010

Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL	Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL	Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL
Lead 7.6	Lead 5.9	Lead 93

Lead - Method 6010

Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL	Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL	Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL
Lead -	Lead 14	Lead 7.4

Lead - Method 6010

Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL	Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL	Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL
Lead 9.0	Lead -	Lead 20

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
 (Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL	Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL	Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL
Lead 6.6	Lead 6.4	Lead 3.2

U - Indicates compound analyzed for but not detected.
 Dup - Duplicate
 MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
 PZ - Piezometer
 FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER	Location: 04-002PS-GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER	Location: 04-003PS-GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER
Lead 45	Lead 9.6	Lead 3.0U

Lead - Method 239.2

Location: 04-005PS-GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER	Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER	Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER
Lead 3.0U	Lead 68	Lead 5.5

Lead - Method 239.2

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER	Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER	Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER
Lead -	Lead 3.0U	Lead 42

Lead - Method 239.2

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER	Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER	Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER
Lead 6.8	Lead 410	Lead 240

U - Indicates compound analyzed for but not detected
MW - Monitor Well
GW - Groundwater

PS - Push Sample
PZ - Piezometer
Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER	Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER	Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER
Lead 52	Lead 26	Lead 27

Lead - Method 239.2

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER	Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER	Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER
Lead 290	Lead -	Lead 170

Lead - Method 239.2

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER	Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER	Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 9.3

Lead - Method 239.2

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER	Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER	Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER
Lead 3.0U	Lead 100	Lead 3.0U

U - Indicates compound analyzed for but not detected
MW - Monitor Well
GW - Groundwater

PS - Push Sample
PZ - Piezometer
Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
 (Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER	Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER	Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 3.0U

Lead - Method 239.2

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER	Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER	Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER
Lead 82	Lead 3.0U	Lead 3.0U

Lead - Method 239.2

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER	Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER	Location: Equipment Blank (Bailer) Sample Date: 11/09/94 Lab Number: 10 0268496 Matrix: WATER
Lead 3.0U	Lead 9.6	Lead 9.3

U - Indicates compound analyzed for but not detected
 MW - Monitor Well
 GW - Groundwater

PS - Push Sample
 PZ - Piezometer
 Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Lead - Method 239.2

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER	Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER	Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 3.4

Lead - Method 239.2

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER	Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER	Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER
Lead 260	Lead 4.2	Lead 13

Lead - Method 239.2

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER	Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER	Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead -

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	5490	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	136	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	41.4	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	541	Fluoranthene	411	Fluoranthene	8.0U
Pyrene	292	Pyrene	44.2	Pyrene	3.0U
Benzo(a)anthracene	179	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	128	Chrysene	40.1	Chrysene	10.0U
Benzo(b)fluoranthene	101	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	63.4	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	127	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	43.7	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	105	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2370	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	8780	2-Methyl Naphthalene	10.0U

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PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL		Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	4.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	60.0U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	4.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	0.8U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	1.4U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	0.4U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	1.6U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	0.6U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	3.2U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	2.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL		Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL		Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	4.0U	Naphthalene	20.0U
Acenaphthylene	300	Acenaphthylene	60.0U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	4.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	0.8U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	1.4U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	0.4U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	1.6U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	18.6	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	8.6	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	5.7	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	10.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL		Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL		Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	300U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	20.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	4.0U	Fluorene	0.8U	Fluorene	-
Phenanthrene	7.0U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	2.0U	Anthracene	0.4U	Anthracene	-
Fluoranthene	8.0U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	3.0U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	10.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL		Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL		Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL	
Naphthalene	-	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	-	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	-	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	-	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	-	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	-	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	-	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	-	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	-	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	-	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	-	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	-	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	-	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL		Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL		Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.8U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.4U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

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Appendix G
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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
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Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL		Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	10.0U	Naphthalene	-
Acenaphthylene	300U	Acenaphthylene	150U	Acenaphthylene	-
Acenaphthene	20.0U	Acenaphthene	10.0U	Acenaphthene	-
Fluorene	4.0U	Fluorene	2.0U	Fluorene	-
Phenanthrene	7.0U	Phenanthrene	3.5U	Phenanthrene	-
Anthracene	2.0U	Anthracene	1.0U	Anthracene	-
Fluoranthene	8.0U	Fluoranthene	4.0U	Fluoranthene	-
Pyrene	3.0U	Pyrene	1.5U	Pyrene	-
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	750	Benzo(a)anthracene	-
Chrysene	10.0U	Chrysene	532	Chrysene	-
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	6060	Benzo(k)fluoranthene	235	Benzo(k)fluoranthene	-
Benzo(a)pyrene	11200	Benzo(a)pyrene	395	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	3830	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	9180	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	10.U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	-

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Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL		Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL		Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL		Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL		Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL	
Naphthalene	10.0U	Naphthalene	2.0U	Naphthalene	2.0U
Acenaphthylene	150U	Acenaphthylene	30.0U	Acenaphthylene	30.0U
Acenaphthene	10.0U	Acenaphthene	2.0U	Acenaphthene	2.0U
Fluorene	2.0U	Fluorene	0.4U	Fluorene	0.4U
Phenanthrene	3.5U	Phenanthrene	0.7U	Phenanthrene	0.7U
Anthracene	1.0U	Anthracene	0.2U	Anthracene	0.2U
Fluoranthene	4.0U	Fluoranthene	0.8U	Fluoranthene	0.8U
Pyrene	1.5U	Pyrene	0.3U	Pyrene	0.3U
Benzo(a)anthracene	8.0U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U
Chrysene	5.0U	Chrysene	1.0U	Chrysene	1.0U
Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U

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Appendix G
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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL		Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL		Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL		Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL		Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	5.6
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.7
Chrysene	1.0U	Chrysene	2.0U	Chrysene	4.1
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL		Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL		Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	25.4	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	16.4	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	14.3	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL		Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL		Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U

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Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL		Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL		Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.8U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.4U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL		Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL		Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL		Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL		Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL		Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL		Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	-	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	-	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	-	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	-	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	-	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	-	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	-	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	-	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	-	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-	2-Methyl Naphthalene	1.0U

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Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL		Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL		Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.4U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.2U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.3U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	1.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	-

U - Indicates compound analyzed for but not detected.

Dup - Duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample

PZ - Piezometer

FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL		Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL		Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	1.5U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	8.0U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	5.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004PZ 8'-10'	
Sample Date: 10/29/94	
Lab Number: 10 0256838	
Matrix: SOIL	
Naphthalene	4.0U
Acenaphthylene	60.0U
Acenaphthene	4.0U
Fluorene	0.8U
Phenanthrene	1.4U
Anthracene	0.4U
Fluoranthene	1.6U
Pyrene	0.6U
Benzo(a)anthracene	3.2U
Chrysene	2.0U
Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL		Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL		Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	50.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	750U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	50.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	10.0U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	17.5U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	5.0U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	20.0U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	7.5U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	40.0U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	25.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	25.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	5.0U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	2.5U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	12.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	12.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	12.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	25.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	25.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL		Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL		Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	1.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL		Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL		Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	1.5U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	8.0U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	5.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL		Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL		Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL	
Naphthalene	50.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	750U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	50.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	10.0U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	7990	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	2260	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	15300	Fluoranthene	344	Fluoranthene	1.6U
Pyrene	8150	Pyrene	200	Pyrene	0.6U
Benzo(a)anthracene	3740	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	2530	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1620	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	995	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	2250	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	12.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	12.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1140	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	25.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	25.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL		Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL		Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	4.47	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.14	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.63	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Naphthalene	-	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	-	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	-	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	-	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	-	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	-	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	-	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	-	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	-	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	-	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	-	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	-	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	-	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	518.3
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	97.95
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	421.5

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Naphthalene	0.02U	Naphthalene	-	Naphthalene	0.50U
Acenaphthylene	0.52U	Acenaphthylene	-	Acenaphthylene	1.30U
Acenaphthene	0.20U	Acenaphthene	-	Acenaphthene	0.50U
Fluorene	0.08U	Fluorene	-	Fluorene	0.20U
Phenanthrene	0.14U	Phenanthrene	-	Phenanthrene	3.88
Anthracene	0.04U	Anthracene	-	Anthracene	1.05
Fluoranthene	0.14U	Fluoranthene	-	Fluoranthene	8.05
Pyrene	0.04U	Pyrene	-	Pyrene	5.06
Benzo(a)anthracene	0.16U	Benzo(a)anthracene	-	Benzo(a)anthracene	3.16
Chrysene	0.12U	Chrysene	-	Chrysene	2.36
Benzo(b)fluoranthene	0.10U	Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	3.73
Benzo(k)fluoranthene	0.04U	Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	1.57
Benzo(a)pyrene	0.04U	Benzo(a)pyrene	-	Benzo(a)pyrene	3.02
Indeno(1,2,3-cd)pyrene	0.40U	Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.84
Dibenzo(a,h)anthracene	0.06U	Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.15U
Benzo(g,h,i)perylene	0.04U	Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	1.72
1-Methyl Naphthalene	0.16U	1-Methyl Naphthalene	-	1-Methyl Naphthalene	0.40U
2-Methyl Naphthalene	0.28U	2-Methyl Naphthalene	-	2-Methyl Naphthalene	0.70U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
Dup - Duplicate

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PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Naphthalene	0.15U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.39U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.15U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.06U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.10U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.03U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.10U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.03U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.12U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.09U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.08U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.03U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.03U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.03U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.04U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.03U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.12U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.21U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
				Chrysene	0.03U
				Phenanthrene	0.04U
Phenanthrene	0.04U	Phenanthrene	0.04U	Anthracene	0.01U
Anthracene	0.01U	Anthracene	0.01U	Fluoranthene	0.04U
Fluoranthene	0.04U	Fluoranthene	0.04U	Pyrene	0.01U
Pyrene	0.01U	Pyrene	0.01U	Benzo(a)anthracene	0.04U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER		Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equip. Blank Steam Clnr	
Sample Date: 10/22/94	
Lab Number: 10 0250260	
Matrix: WATER	
Naphthalene	0.05U
Acenaphthylene	0.13U
Acenaphthene	0.05U
Fluorene	0.02U
Phenanthrene	0.04U
Anthracene	0.01U
Fluoranthene	0.04U
Pyrene	0.01U
Benzo(a)anthracene	0.04U
Chrysene	0.03U
Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons
Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER		Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER		Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons
Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER		Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER		Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.36	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.63	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.50	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U- Indicates compound analyzed for but was not detected.

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons
Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER		Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER		Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	-
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	-
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	-
Fluorene	0.02U	Fluorene	0.02U	Fluorene	-
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	-
Anthracene	0.01U	Anthracene	0.01U	Anthracene	-
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	-
Pyrene	0.01U	Pyrene	0.01U	Pyrene	-
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	-
Chrysene	0.03U	Chrysene	0.03U	Chrysene	-
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	-

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Dup- Duplicate

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APPENDIX H
HRS DATA PACKAGE

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PA/SI DATA REQUIREMENTS FOR FEDERAL FACILITY DOCKET SITES

Billy Mitchell ANGB, Milwaukee, Wisconsin

- 1. Supply copies of all sampling data, on-site and off-site, including location map, detection limits (see definitions below), raw data sheets, QA/QC documents, date(s) sampled, analytical method(s) used, well or boring logs, and sampling technique(s).**

Sampling data, detection limits, raw data sheets, QA/QC documents, dates sampled, and analytical methods used can be found in Appendix G. Well or boring logs can be found in Appendix A.

- 2. Locate and identify on a map all known or suspected sources (see definition below). Supply all information about source(s) such as: dates of operation, use, or spillage; amounts of material deposited, stored, or spilled; dimensions of source(s); known or suspected hazardous substances (see definition below), etc.**

The above information can be found in Section 2.1.1 of the PA/SI Report.

- 3. Provide a description of all aquifers beneath the site, including description of overlying materials, depth first encountered, thickness, and composition.**

The above information can be found in Section 3.4 of the PA/SI Report.

- 4. For each source, choose one description from Table 1 that describes the groundwater containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.**

The best description for this site is: Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures.) (Source: PA/SI Report)

- 5. Provide the location of all drinking water wells in all aquifers beneath the site within a 4-mile radius from the site (property boundary) by HRS distance ring and locate the wells within a one-mile radius on a 7.5 minute topographic map. Provide information on depth of well(s), screening interval(s), depth of aquifer(s)**

encountered, population served for multiple wells (i.e., municipal system), provide the number of wells, location of all wells (regardless of 4-mile limit), average annual pumpage of each well (regardless of 4-mile limit), and total population served by the system. Include information on all standby wells.

Well records from the Wisconsin Geological and Natural History Survey (WDNR) indicate that there are 56 wells within a 1-mile radius. Of the 56 wells, 22 wells are either screened or are open holes at depths less than 100 feet BLS. Location and information for water wells within a 1-mile radius is presented in Table 3.1 (Section 3.0) and Figure H.1. Located just beyond a 1-mile radius there are 136 additional water wells. WDNR reports that there are somewhere between 500 and 1,000 wells within a 4-mile radius of the Base. There are no known public drinking wells in the area. Although several wells are shown on Figure H.1 as being located in the northwest portion of the Base, no wells in that area are known to exist, and these locations are attributed to erroneous location information on the well construction reports. (Source: Wisconsin Geological and Natural History Survey)

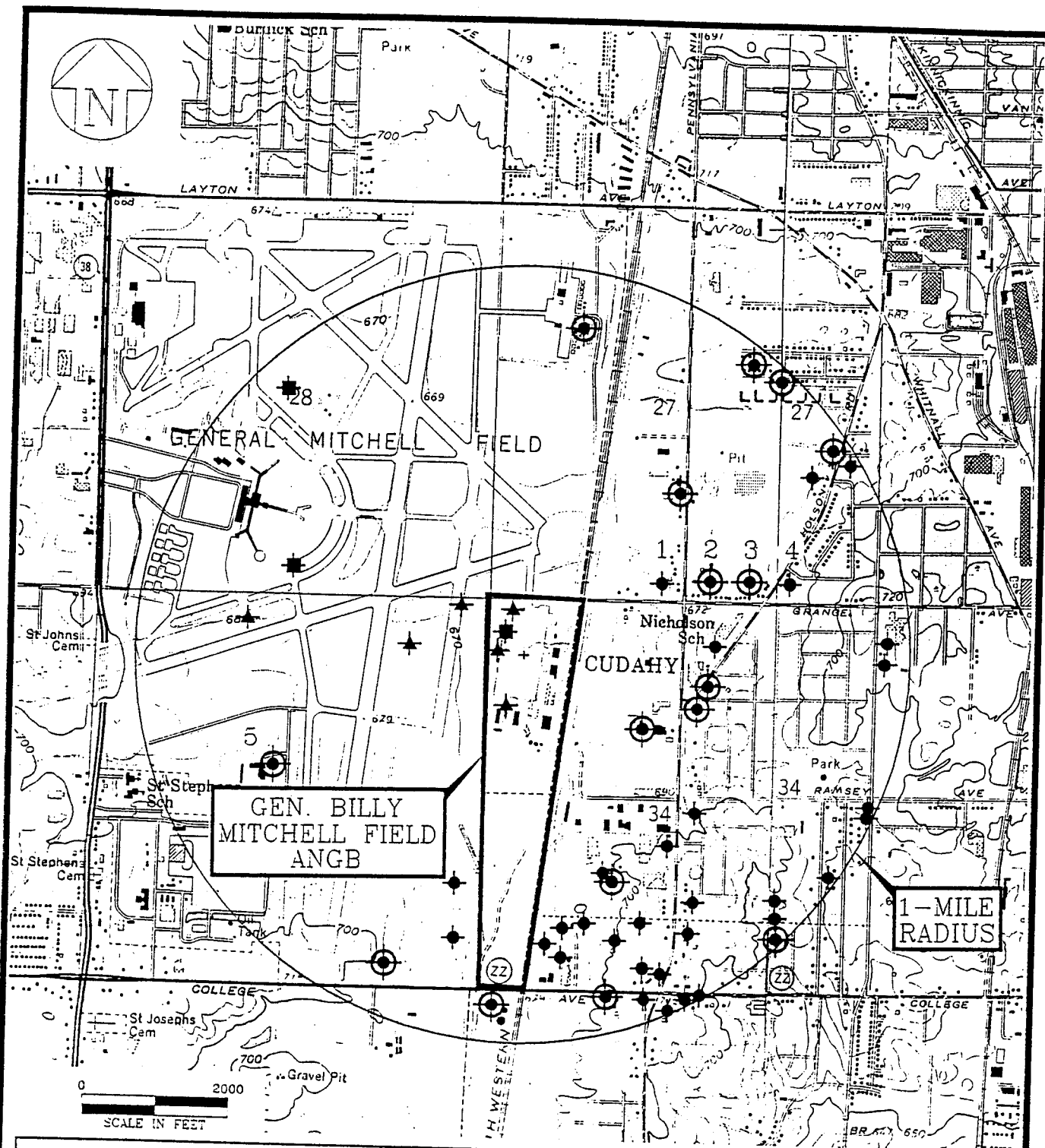
6. **Provide information and location (on 7.5 minute topographic map) of wells within 4 miles that are used to irrigate five or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.**

There are approximately 56 wells within a 1-mile radius. Upon investigation, none of the 56 wells appear to be used for the above uses.

7. **Provide the average number of persons per residence for county (or counties) that site is located in per the U. S. Census Bureau.**

The average number of persons per residence for Milwaukee County is approximately 2.7. (Source: University of Wisconsin - Applied Population Laboratory)

8. **Identify and locate all surface water bodies within two miles of the site marking off the drainage routes (shown on a 7.5 minute topographic map) from each source to applicable surface water bodies. Provide the average annual cubic feet per second**



LEGEND

- WELL WITHIN 1 MILE RADIUS
- ⊙ WELL WITHIN AN OPEN INTERVAL ABOVE 100' BLS

*WELLS 1, 2, 3, 4, 5 HAVE ADDITIONAL INFORMATION IN TABLE 3.1.

- WELL WHICH MAY BE ABANDONED DUE TO AIRPORT CONSTRUCTION AND EXPANSION
- ★ WELL WITH AN OPEN INTERVAL ABOVE 100' BLS AND WHICH MAY BE ABANDONED DUE TO AIRPORT CONSTRUCTION AND EXPANSION

FIGURE H.1

BILLY WELLS

LOCATION OF WATER WELLS IN THE VICINITY OF GEN. BILLY MITCHELL FIELD ANGB
128th ARW, Gen. Billy Mitchell Field ANGB
Milwaukee, Wisconsin

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flow for each surface water body within 15 miles downriver or radius from the point of probable entry into surface water. For lakes, provide information on inflow and outflow.

The two bodies of water located near the site are Oak Creek and Bailey's Pond (see Figure H.2). Oak Creek is located approximately 0.5 miles west of the site and Bailey's Pond is located in the northeastern corner of the Base. Based on USGS reading compiled 1964-1993, the annual mean flow for Oak Creek is 23.4 cubic feet per second. (Source: City of Milwaukee - Department of Public Works)

9. For each source, choose one description from Table 2 that describes the surface water containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.

The best description for this site is: No evidence of hazardous substance migration from source areas and: (a) Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system. (Source: PA/SI Report)

10. Provide the number of acres in each drainage basin.

The two drainage basins are: the Oak Creek drainage basin (located at the southern half of the Base) with 27.24 square miles and the Kinnickinnic River drainage basin (located at the northern end of the Base) with 25 square miles. (Source: City of Milwaukee - Department of Public Works)

11. From Table 3, choose the predominant soil group (surface soil) which comprises the largest total area within each drainage area.

The best soil description for this site is: Fine-Textured soils with very low infiltration rates (For example: Silty Clay Loams) (Source: PA/SI Report)

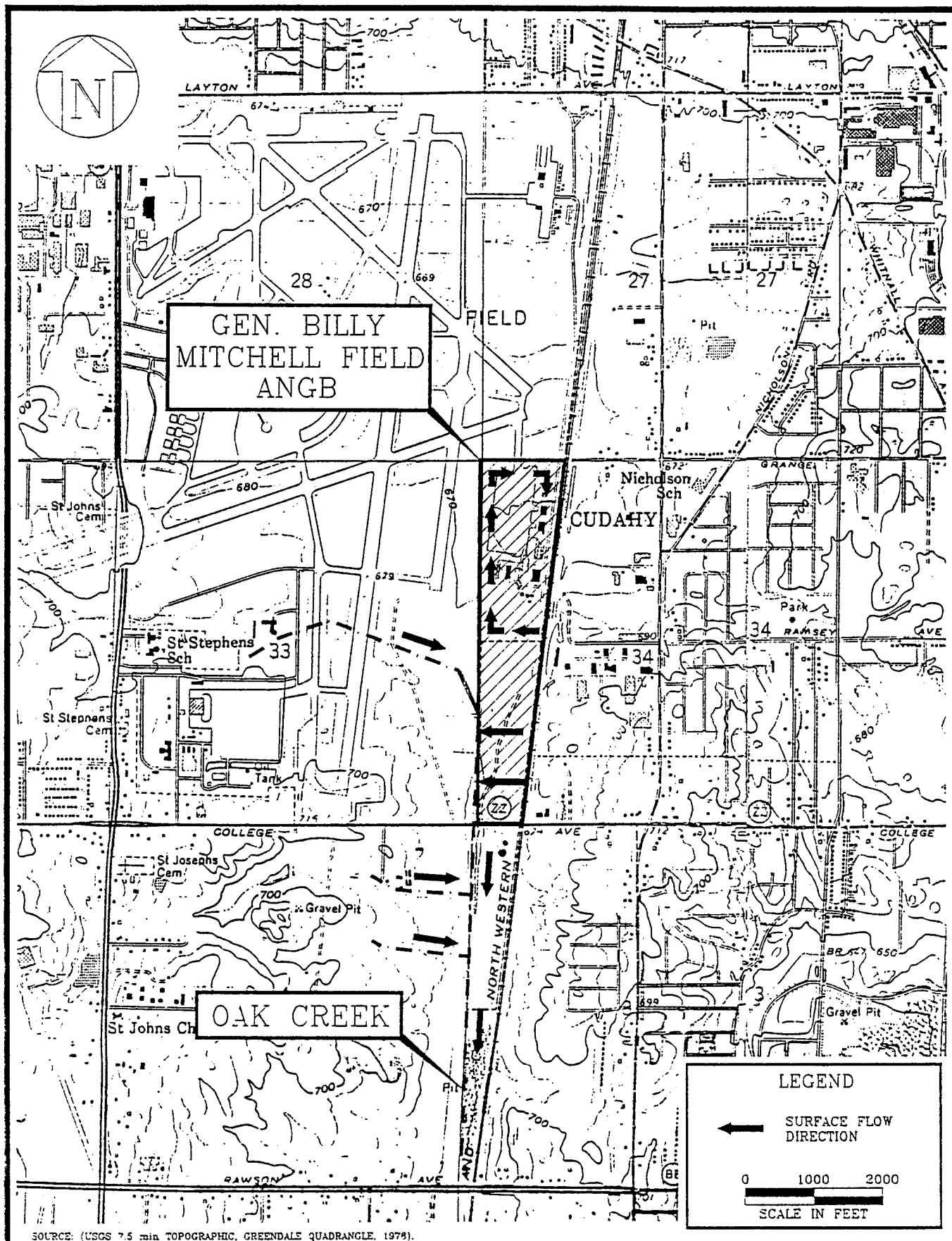


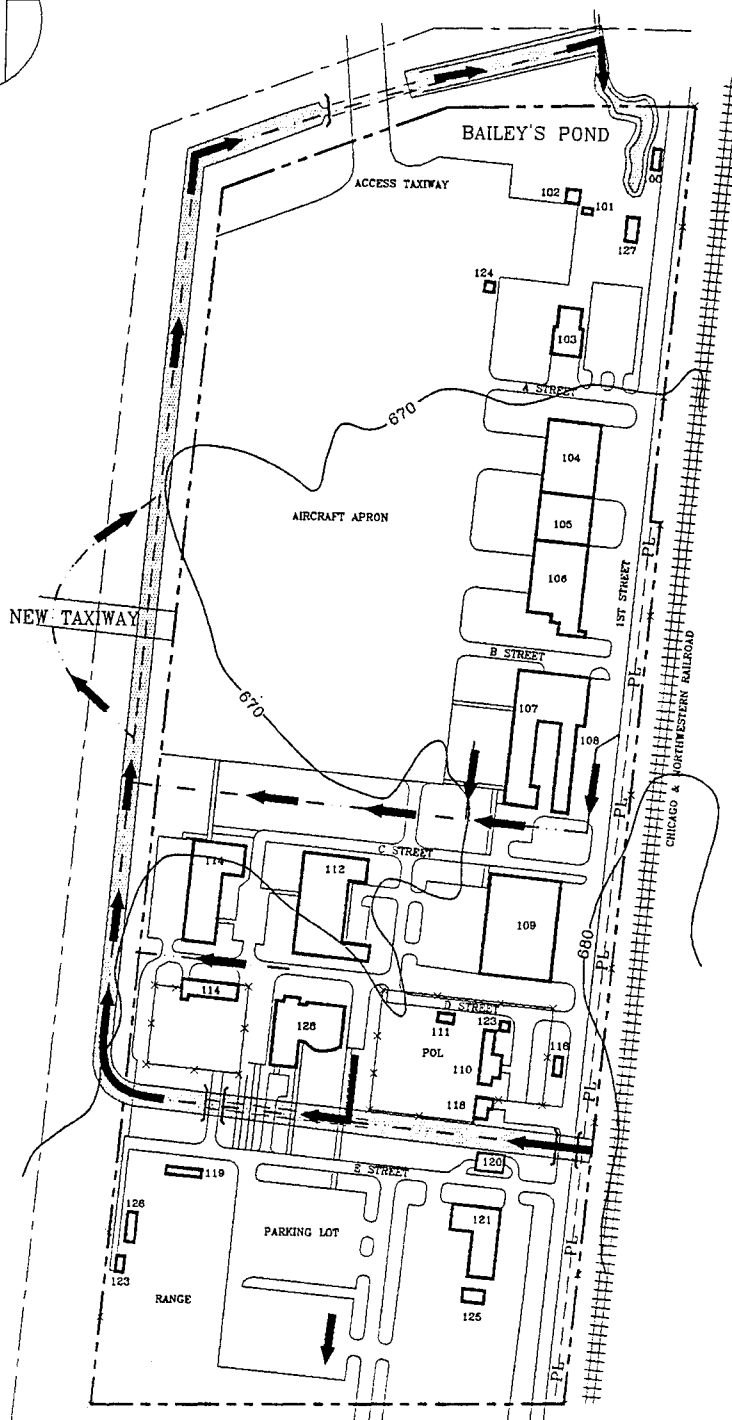
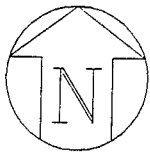
FIGURE H.2

SURFACE FLOW DRAINAGE MAP
128th ARW, Gen. Billy Mitchell Field ANGB
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LEGEND	
[Rectangle]	BUILDING
[Shaded Rectangle]	IRP SITE NO.4
[Arrow]	SURFACE WATER FLOW DIRECTION
[Dashed Line]	PROPERTY LINE
[Dash-dot Line]	LEASE HOLD BOUNDARY
[Solid Line]	FENCE LINE
[Long-dash Line]	DRAINAGE CHANNEL
[Double-dash Line]	CEMENT CULVERT
[Line with 'PL']	WEST SHORE PIPELINE
[Dotted Line]	FORMER DRAINAGE CHANNEL
[Line with '670']	TOPOGRAPHIC CONTOUR LINE 10 FEET INTERVAL

SCALE IN FEET

SOURCE: (DONOHUE ENGINEERS & ARCHITECTS, 1992). MODIFIED BY OPTECH, 1995.

FIGURE H.3

BILLYMIT BASESURF

BASE SURFACE DRAINAGE
128th ARW, Gen. Billy Mitchell Field ANGB
Milwaukee, Wisconsin

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- 12. Provide the two year, 24-hour rainfall.**

The two year, 24-hour rainfall is 2.5 inches. (Source: Rainfall Frequency Atlas of the U.S., issued by the Department of Commerce, Weather Bureau)

- 13. From Table 4, choose the floodplain category for each source (supply Federal Emergency Management Agency floodplain map) and determine if each source meets the criteria from Table 5 (engineer's certification).**

The site is not within the 100-year floodplain.

(Source: City of Milwaukee - Building Permits & Zoning Department)

- 14. Provide the location of all drinking water intakes within 15 downstream miles (rivers) or 15-mile radius (lakes, bays, etc.). Provide information on population served. For multiple intakes (i.e., municipal system), provide information on the number of intakes, location of all intakes (regardless of 15-mile limit), and total population served by system. Include information on all standby intakes.**

There are no drinking water intakes 15 downstream miles from the site.

(Source: City of Milwaukee - Department of Public Works)

- 15. Provide information and location of intakes within 15 miles downriver (radius in lake or bay) that are used to irrigate five or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.**

There are no drinking water intakes 15 downstream miles from the site.

(Source: City of Milwaukee - Department of Public Works)

- 16. Provide any surface water body 15 miles downriver (radius in lakes or bay) used for drinking water.**

There is no surface water body used for drinking water purposes 15 miles downriver.

(Source: City of Milwaukee - Department of Public Works)

17. Provide the average human food chain production (pounds per year) for each surface water body 15 miles downriver or 15-mile radius in lake.

This information was not available.

18. Within a 4-mile radius from the site and 15 miles downriver, or radius in lake, identify all sensitive environments that exist. Provide original documentation (USF&W, Natural Heritage Database, State agencies, NOAA, etc.). Note that there could be multiple sensitive environments within a sensitive environment.

The only species within the area of the Base that is considered endangered is the Peregrine Falcon (*Falco peregrinus*). This falcon is known to nest mostly near downtown Milwaukee, therefore, would not be affected. (Source: U.S. Department of the Interior Fish & Wildlife)

19. What is the linear frontage of all wetlands 15 miles downriver or 15-mile radius in lake?

The United States Department of the Interior Fish and Wildlife Wetlands Map has not yet been made available, therefore, the total linear frontage cannot be calculated as of yet. However, there are wetlands in the area of the Base. On the Base, Bailey's Pond (located in the northeastern part of the Base) is considered a wetland. The linear frontage for this pond is approximately 700 feet.

20. Provide the location and number of persons residing, working, attending school, or day care within 200 feet. This includes both the Air and Army Guard.

The number of persons working within 200 feet of IRP Site No. 4 is 300 during normal weekday workdays. During unit training weekends, there are 987 persons working in areas adjacent to the site. (Source: PA/SI Report)

21. Identify all terrestrial sensitive environments that exist on-site. Provide original documentation (USF&W, natural Heritage Database, State Agencies, NOAA, etc.) and locate each on a 7.5 minute topographic map. Note that there could be multiple sensitive environments within a sensitive environment.

According to a previous environmental report, there are no known threatened or endangered species located on the site location. (Source: U.S. Department of the Interior Fish & Wildlife)

22. For each source, choose one description from Table 8 that describes the accessibility to a human population. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.

The best description for this site is:

Surrounded by maintained fence or combination of maintained fence and natural barriers and physically inaccessible to public, with no evidence of public recreation use.

23. Provide the total number of people in following distance rings from source(s)?

- 0-1/4 mile = 150 persons
- 1/4-1/2 mile = 614 persons
- 1/2-1 mile = 4,322 persons
- 1-2 miles = 23,309 persons
- 2-3 miles = 46,479 persons
- 3-4 miles = 46,507 persons

Use 1990 Census data and/or actual house counts. Document how calculated.

Source: 1990 Census (block group level population aggregates)

Prepared by: GEOQUEST Information Technologies, Inc.

24. For each source, choose one description from Table 9 that describes the gaseous containment. Provide complete documentation (i.e., engineering diagrams,

photographs [originals]), as to why the source meets that description and not any other in the Table. From Table 10, choose the appropriate description for each source type. For each source, choose one description from Table 11 that describes the particulate containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.

Table 9: None of the following apply.

Table 10: None of the following apply.

Table 11: None of the following apply.

25. Provide the location and area (in acres) of all wetlands within 4 miles of the site.

There are 35 wetlands smaller than 2 to 5 acres, five manmade ponds, and 19 general hydrologic cover type wetlands located within a 1.5-mile radius of the 128th ARG. Baileys Pond (located at the Base) is considered a wetland and is less than 5 acres.

26. Contact EPA Regional Office immediately if any radionuclides are present or suspected at the site and supply all radiological information known to date.

There are no radionuclides present or suspected at the site.

27. For all of the above information, use primary data source and supply two copies or specify where copies may be obtained.

28. Provide information on any removals or remedial actions taken place at the site.

During the period December 1993 through April 1994, 18,000 tons of contaminated soil were removed and incinerated. The soil contained gasoline and diesel.

29. If information relevant to a question already has been provided to the EPA, your answer may precisely cite the previous submittal by title, date, page, and paragraph number rather than resubmitting the information.

DEFINITIONS

Detection Limit (DL)

Lowest amount that can be distinguished from the normal random "noise" of an analytical instrument or method. For this submission, the detection limit used is the method detection limit (MDL), or, for real-time instruments, the detection limit of the instrument as used in the field.

Hazardous Substance

CERCLA hazardous substances, pollutants, and contaminant as defined in CERCLA sections 101(14) and 101(33).

Method Detection Limit (MDL)

Lowest concentration of an analyte that a method can detect reliably in either a sample or blank.

Sample Quantitation Limit (SQL)

Quantity of a substance that can reasonably be quantified given the methods of analysis and sample characteristics that may affect quantification (for example, dilution, concentration).

Site: Area(s) where a hazardous substance has been deposited, stored, disposed, or placed, or has otherwise come to be located. Such areas may include multiple sources and may include areas between sources.

Source: Any area where a hazardous substance has been deposited, stored, disposed, or placed, plus those soils that have become contaminated from migration of a hazardous substance. Sources do not include those volumes of air, groundwater, surface water, or surface water sediments that have become contaminated by migration, except: in the case of either a groundwater plume with no identified source, or contaminated surface water sediments with no identified source, the plume may be considered a source.

Table 1

All Sources (Except Surface Impoundments, Land Treatment, Containers, and Tanks)

Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

No liner.

No evidence of hazardous substance migration from source area, a liner, and:

- (a) None of the following present: (1) maintained engineered cover, (2) functioning and maintained run-on control system and runoff management system, or (3) functioning leachate collection and removal system immediately above liner.
- (b) Any one of the three items in (a) present.
- (c) Any two of the items in (a) present.
- (d) All three items in (a) present plus a functioning groundwater monitoring system.
- (e) All items in (d) present plus no bulk or non-containerized liquids nor materials containing free liquids deposited in source area.

No evidence of hazardous substance migration from source area, double liner with functioning leachate collection and removal system above and between liners, functioning groundwater monitoring system, and:

- (f) Only one of the following deficiencies present in containment: (1) bulk or noncontainerized liquids or materials containing free liquids deposited in source area, or (2) no or nonfunctioning or nonmaintained run-on control system and runoff management system, or (3) no or nonmaintained engineered cover.
- (g) None of the deficiencies in (f) present.

Source area inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate is generated, liquid or materials containing free liquids not deposited in source area, and functioning and maintained run-on control present.

Surface Impoundment

Evidence of hazardous substance migration from surface impoundment.

No liner.

Free liquids present with either no diking, unsound diking, or diking that is not regularly inspected and maintained.

No evidence of hazardous substance migration from surface impoundment, free liquids present, sound diking that is regularly inspected and maintained, adequate freeboard, and:

- (a) Liner.
- (b) Liner with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.
- (c) Double liner with functioning leachate collection and removal system between liners, and functioning groundwater monitoring system.

No evidence of hazardous substance migration from surface impoundment and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Land Treatment

Evidence of hazardous substance migration from land treatment zone.

No functioning, maintained, run-on control and runoff management system.

No evidence of hazardous substance migration from land treatment zone and:

- (a) Functioning and maintained run-on control and runoff management system.
- (b) Functioning and maintained run-on control and runoff management system, and vegetative cover established over entire land treatment area.
- (c) Land treatment area maintained in compliance with 40 CFR 264.280.

Containers

All containers buried.

Evidence of hazardous substance migration from container area (i.e., container area includes containers and any associated containment structures).

No liner (or no essentially impervious base) under container area.

No diking (or no similar structure) surrounding container area.

Diking surrounding container area unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from container area, container area surrounded by sound diking that is regularly inspected and maintained, and:

- (a) Liner (or essentially impervious base) under container area.
- (b) Essentially impervious base under container area with liquids collection and removal system.
- (c) Containment system includes essentially impervious base, liquids collection system, sufficient contain 10 percent of volume of all containers, and functioning and maintained run-on control; plus functioning groundwater monitoring system, and spilled or leaked hazardous substances and accumulated precipitation removed in timely manner to prevent overflow of collection system, at least weekly inspection of containers, hazardous substances in leaking or deteriorating containers transferred to containers in good condition, and containers sealed except when waste is added or removed.
- (d) Free liquids present containment system has sufficient capacity to hold total volume of all containers and to provide adequate freeboard, single liner under container area with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.
- (e) Same as (d) except: double liner under container area with functioning leachate collection and removal system between liners.

Containers inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any unsealed or ruptured containers, liquids or materials containing free liquids not deposited in any container, and functioning and maintained runoff control present.

No evidence of hazardous substance migration from container area, containers leaking, and all free liquids eliminated at closure (either by removal of liquid or solidification of remaining wastes and waste residues).

Tank

Belowground tank.

Evidence of hazardous substance migration from tank area (i.e., tank area includes tank, ancillary equipment such as piping, and any associated containment structures).

Tank and ancillary equipment not provided with secondary containment, (e.g., liner under tank area, vault system, double wall).

No diking (or no similar structure) surrounding tank and ancillary equipment

Diking surrounding tank and ancillary equipment unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from tank area, tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained, and:

- (a) Tank and ancillary equipment provided with secondary containment.
- (b) Tank and ancillary equipment provided with secondary containment with leak detection and collection system.
- (c) Tank and ancillary equipment provided with secondary containment system that detects and collects spilled or leaked hazardous substances and accumulated precipitation and has sufficient capacity to contain 110 percent of volume of largest tank within containment area, spilled or leaked hazardous substances and accumulated precipitation removed in timely manner, at least weekly inspection of tank and secondary containment system, all leaking or unfit-for-use tank systems promptly responded to, and functioning groundwater monitoring system.
- (d) Containment system has sufficient capacity to hold volume of all tanks within tank containment area and to provide adequate freeboard, single liner under that containment area with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.
- (e) Same as (d) except double liner under tank containment area with functioning leachate collection and removal system between liners.

Tank is aboveground, and inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any material released from tank, liquids or materials containing free liquids not deposited in any tank, and functioning and maintained run-on control present.

Table 2

All Sources (Except Surface Impoundments, Land Treatment, Containers, and Tanks)

Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

No evidence of hazardous substance migration from source areas and:

- (a) Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system.
- (b) Any one of the two items in (a) present.
- (c) Any two of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system, or (3) liner with functioning leachate collection and removal system immediately above liner.
- (d) All items in (c) present.

- (e) All items in (c) present, plus no bulk or non-containerized liquids nor materials containing free liquids deposited in source area.

No evidence of hazardous substance migration from source area, double liner with functioning leachate collection and removal system above and between liners, and:

- (f) Only one of the following deficiencies present in containment: (1) bulk or noncontainerized liquids or materials containing free liquids deposited in source area, or (2) no or nonfunctioning or nonmaintained run-on control system and runoff management system, or (3) no or nonmaintained engineered cover.
- (g) None of the deficiencies in (f) present.

Source area inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate is generated, liquids or materials containing free liquids not deposited in source area, and functioning and maintained run-on control present.

Surface Impoundment

Evidence of hazardous substance migration from surface impoundment.

Free liquids present with either no diking, unsound diking, or diking that is not regularly inspected and maintained.

No evidence of hazardous substance migration from surface impoundment, free liquids present, sound diking that is regularly inspected and maintained, adequate freeboard, and:

- (a) No liner.
- (b) Liner.
- (c) Liner with functioning leachate collection and removal system below liner.
- (d) Double liner with functioning leachate collection and removal system between liners.

No evidence of hazardous substance migration from surface impoundment and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Land Treatment

Evidence of hazardous substance migration from land treatment zone.

No functioning and maintained run-on control and runoff management system.

No evidence of hazardous substance migration from land treatment zone and:

- (a) Functioning and maintained and maintained run-on control and runoff management system.
- (b) Functioning and maintained run-on control and runoff management system, and vegetative cover established over entire land treatment area.
- (c) Land treatment area maintained in compliance with 40 CFR 264.280.

Containers

All containers buried.

Evidence of hazardous substance migration from container area (i.e., container area includes containers and any associated containment structures).

No diking (or no similar structure) surrounding container area.

Diking surrounding container area unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from container area and container area surrounded by sound diking that is regularly inspected and maintained.

No evidence of hazardous substance migration from container area, container area surrounded by sound diking that is regularly inspected and maintained, and:

- (a) Essentially impervious base under container area with liquids collection and removal system.
- (b) Containment system includes essentially impervious base, liquids collection system, sufficient capacity to contain 10 percent of volume of all containers, and functioning and maintained run-on control; and spilled or leaked hazardous substances and accumulated precipitation removed in timely manner to prevent overflow of collection system, at least weekly inspection of containers, hazardous substances in leaking or deteriorating containers transferred to containers in good condition, and containers sealed except when waste is added or removed.
- (c) Free liquids present containment system has sufficient capacity to hold total volume of all containers and to provide adequate freeboard, and single liner under container area with functioning leachate collection and removal system below liner.
- (d) Same as (c) except: double liner under container area with functioning leachate collection and removal system between liners. Containers inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any unsealed or ruptured containers, liquids or materials containing free liquids not deposited in any container, and functioning and maintained run-on control present.

No evidence of hazardous substance migration from container area, containers leaking, and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Tank

Belowground tank.

Evidence of hazardous substance migration from tank area (i.e., tank area includes tank, ancillary equipment such as piping, and any associated containment structures).

No diking (or no similar structure) surrounding tank and ancillary equipment.

Diking surrounding tank and ancillary equipment unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from tank area and tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained.

No evidence of hazardous substance migration from tank area, tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained, and:

- (a) Tank and ancillary equipment provided with secondary containment (e.g., liner under tank area, vault system, double wall) with leak detection and collection system.
- (b) Tank and ancillary equipment provided with secondary containment system that detects and collects spilled or leaked hazardous substances and accumulated precipitation and has sufficient capacity to contain 110 percent of volume of largest tank within containment area, spilled or leaked hazardous substances and accumulated precipitation removed in a timely manner, at least weekly inspection of tank and secondary containment system, and all leaking or unfit-for-use tank systems promptly responded to.

- (c) Containment system has sufficient capacity to hold total volume of all tanks within the tank containment area and to provide adequate freeboard, and single liner under tank containment area with functioning leachate collection and removal system below liner.
- (d) Same as (c) except double liner under tank containment area with functioning leachate collection and removal system between liners.

Tank is aboveground, and inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any material released from tank, liquids or materials containing free liquids not deposited in any tank, and functioning and maintained run-on control present.

Table 3
Surface Soil Description

Coarse-textured soils with high infiltration rates (for example, sands, loamy sands).
 Medium-textured soils with moderate infiltration rates (for example, sandy loams, loams).
 Moderately fine-textured soils with low infiltration rates (for example, silty loams, silts, sandy clay loams).
 Fine-textured soils with very low infiltration rates (for example, clays, sandy clays, silty clay loams, clay loams, silty clays); or impermeable surfaces (for example, pavement).

Table 4
Floodplain Categories

Source floods annually.
 Source in 10-year floodplain.
 Source in 100-year floodplain.
 Source in 500-year floodplain.
 None of the above.

Table 5
Flood Containment

Documentation that containment at the source is designed, constructed, operated, and maintained to prevent a washout of hazardous substances by the flood being evaluated (see floodplain category).

Table 6
Sensitive Environments

Critical habitat^a for Federal designated endangered or threatened species.
 Marine Sanctuary.
 National Park.
 Designated Federal Wilderness Area.

Areas identified under Coastal Zone Management Act^b.
 Sensitive areas identified under National Estuary Program^c or Near Coastal Waters Program^d.
 Critical areas identified under the Clean Lakes Program^e.
 National Monument^f.
 National Seashore Recreational Area.
 National Lakeshore Recreational Area.
 Habitat known to be used by Federal designated or proposed endangered or threatened species.
 National Preserve.
 National or State Wildlife Refuge.
 Unit of Coastal Barrier Resources System.
 Coastal Barrier (undeveloped).
 Federal land designated for protection of natural ecosystems.
 Administratively Proposed Federal Wilderness Area.
 Spawning areas critical^g for the maintenance of fish/shellfish species within river, lake, or coastal tidal waters.
 Migratory pathways and feeding areas critical for maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time.
 Terrestrial areas utilized for breeding by large or dense aggregations of animals^h.
 National river reach designated as Recreational.
 Habitat known to be used by State designated endangered or threatened species.
 Habitat known to be used by species under review as to its Federal endangered or threatened status.
 Coastal Barrier (partially developed).
 Federal designated Scenic or Wild River.
 State land designated for wildlife or game management.
 State designated Scenic or Wild River.
 State designated Natural Areas.
 Particular areas, relatively small in size, important to maintenance of unique biotic communities.
 State designated areas for protection or maintenance of aquatic lifeⁱ.

^aCritical habitat as defined in 50 CFR 424.02.

^bAreas identified in State Coastal Zone Management plans as requiring protection because of ecological value.

^cNational Estuary Program study areas (Subareas within subareas) identified in Comprehensive Conservation and Management Plans as requiring protection because they support critical life stages of key estuarine species (Section 320 of Clean Water Act, as amended).

^dNear Coastal Waters as defined in Sections 104(b)(3), 304(1), 319, and 320 of Clean Water Act, as amended.

^eClean Lakes Program critical areas (subareas within lakes, or in some cases entire small lakes) identified by State Clean Lake Plans as critical habitats (Section 314 of Clean Water Act, as amended).

^fUse only for air migration pathway.

^gLimit to areas described as being used for intense or concentrated spawning by a given species.

^hFor the air migration pathway, limit to terrestrial vertebrate species. For the surface water migration pathway, limit to terrestrial vertebrate species aquatic or semiaquatic foraging habits.

ⁱAreas designated under Section 305(a) of Clean Water Act, as amended.

Table 7
 Terrestrial Sensitive Environments

Terrestrial critical habitat^a for Federal designated endangered or threatened species.

National Park.

Designated Federal Wilderness Area.

National Monument.

Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species.

National Preserve (terrestrial).

National or State Terrestrial Wildlife Refuge.

Federal land designated for protection of natural ecosystems.

Administratively proposed Federal Wilderness Area.

Terrestrial areas utilized for breeding by large or dense aggregations of animals^b.

Terrestrial habitat known to be used by State designated endangered or threatened species.

Terrestrial habitat known to be used by species under review as to its Federal designated endangered or threatened status.

State lands designated for wildlife or game management.

State designated Natural Areas.

Particular area, relatively small in size, important to maintenance of unique biotic communities.

^aCritical habitat as defined in 50 CFR 42.

^bLimit to vertebrate species.

Table 8

Area of Observed Contamination

Designated recreational area.

Regularly used for public recreation (for example, fishing, hiking, softball).

Accessible and unique recreational area (for example, vacant lots in urban area).

Moderately accessible (may have some access improvements — for example, gravel road), with some public recreation use.

Slightly accessible (for example, extremely rural area with no road improvement), with some public recreation use.

Accessible, with no public recreation use.

Surrounded by maintained fence or combination of maintained fence and natural barriers.

Physically inaccessible to public, with no evidence of public recreation use.

Table 9

Gas Containment Description

All situations except those specifically listed below.

Evidence of biogas release.

Active fire within source.

Gas collection/treatment system functioning, regularly inspected, maintained, and completely covering source.

Source substantially surrounded by engineering windbreak and no other containment specifically described in this table applies.

Source covered with essentially impermeable, regularly inspected, maintained cover.

Uncontaminated soil cover >3 feet:

Source substantially vegetated with little exposed soil.

Source lightly vegetated with much exposed soil.

Source substantially devoid of vegetation.

Uncontaminated soil cover ≥ 1 foot and ≤ 3 feet:

Source heavily vegetated with essentially no exposed soil.

Cover soil resistant to gas migration^a.

Cover soil type not resistant to gas migration^a or unknown.

Source substantially vegetated with little exposed soil and cover soil type resistant to gas migration^a.

Other.

Uncontaminated soil cover <1 foot:

Source heavily vegetated with essentially no exposed soil and cover soil type resistant to gas migration^a.

Other.

Totally or partially enclosed within structurally intact building and no other containment specifically described in this table applies.

Source consists solely of intact, sealed containers:

Totally protected from weather by regularly inspected, maintained cover.

Other.

^aConsider moist fine-grained and saturated coarse-grained soils resistant to gas migration; consider all other soils nonresistant.

Table 10
Source Type

Active fire area.

Burn pit.

Containers or tanks (buried/belowground):

Evidence of biogas release.

No evidence of biogas release.

Containers or tanks, not elsewhere specified.

Contaminated soil (excluding land treatment).

Landfarm/land treatment.

Landfill:

Evidence of biogas release.

No evidence of biogas release.

Pile:

Tailings pile.

Scrap metal or junk pile.

Trash pile.

Chemical waste pile.

Other waste piles.

Surface impoundments (buried/backfilled):

Evidence of biogas release.

No evidence of biogas release.
Surface impoundment (not buried/backfilled):
 Dry.
 Other.
Other types of sources, not elsewhere specified.

Table 11
Particulate Containment Description

All situations except those specifically listed below.

Source contains only particulate hazardous substances totally covered by liquids.

Source substantially surrounded by engineered windbreak and no other containment specifically described in this table applies.

Source covered with essentially impermeable, regularly inspected, maintained cover.

Uncontaminated soil cover >3 feet:

- Source substantially vegetated with little or no exposed soil.
- Source lightly vegetated with much exposed soil.
- Source substantially devoid of vegetation.

Uncontaminated soil cover ≥ 1 foot and ≤ 3 feet:

- Source heavily vegetated with essentially no exposed soil:
 - Cover soil type resistant to gas migration^a.
 - Cover soil type not resistant to gas migration^a.
- Source substantially vegetated with little exposed soil and cover soil type resistant to gas migration^a.
- Other.

Uncontaminated soil cover <1 foot:

- Source heavily vegetated with essentially no exposed soil and cover soil type resistant to gas migration^a.
- Other.

Totally or partially enclosed within structurally intact building and no other containment specifically described in this table applies.

Source consists solely of containers:

- All containers contain only liquids.
- All containers intact, sealed, and totally protected from weather by regularly inspected, maintained cover.
- All containers intact and sealed.
- Other.

^aConsider moist fine-grained and saturated coarse-grained soils resistant to gas migration; consider all other soils nonresistant.

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WELL LOGS FOR THE 56 WELLS WITHIN A 1-MILE RADIUS OF THE BASE

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APPENDIX I

DOMESTIC WATER WELL SAMPLING RESULTS

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TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner HENRY KETTNER Driller Theodore Watry
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Clement & Grange Ave. Address Box 363
(City, village, township, county) Cudahy, Wis.
Date of Report 4/1 1937
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: _____
If unincorporated hamlet: _____
If Lake Shore Plat: _____
If Farm: _____
If School: _____
If other public building: _____
Miscellaneous Suburban Home Miller Lake 33
Kind _____ Kind _____ County _____ Township _____ Sec. _____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
50 ft. cement pipe down 49 ft.	0 2 3 4 5 6 8 10 12 14 16 18 24	CLAY - MUCK 0 - 10 ft.	Duration of test. Hours _____
	25	CLAY 10 - 40 ft.	Pumping Rate. G. P. M. _____
	50	SAND 40 - 46 ft.	Depth of pump in well. Ft. _____
	75	CLAY 46 - 49 ft.	Standing water-level (from surface.) Ft. <u>Flowing</u>
	100		Water level when pumping Ft. _____
Upper 10 ft. filled with clay around outside of pipe.			Water. End of test. Check: Clear <input checked="" type="checkbox"/> _____ Cloudy _____ Turbid _____
			Was well sterilized before test? Yes _____ No <input checked="" type="checkbox"/>
			Date _____
			To which Laboratory was sample sent? <u>Madison</u>
			Date <u>3/24/37</u>
		Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No _____	
		How high did you leave casing above grade? <u>10"</u>	
		Well was completed <u>11/12</u> 19 <u>36</u>	
		Well Driller: <u>Theodore Watry</u> Signature.	
		(Be sure to complete the report on the reverse side)	

This well tested unsafe. Sample was sent in
3/24/37.

For financial reasons Mr. Henry Kettner
insisted upon doing the filling around upper
well casing so we cannot say just how good
the upper seal is. However, being a flowing
well, it is possible that the water from
the bottom of well is unsafe, as surface
water is not so likely to get into a flowing
well.

Theodore Watry



PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

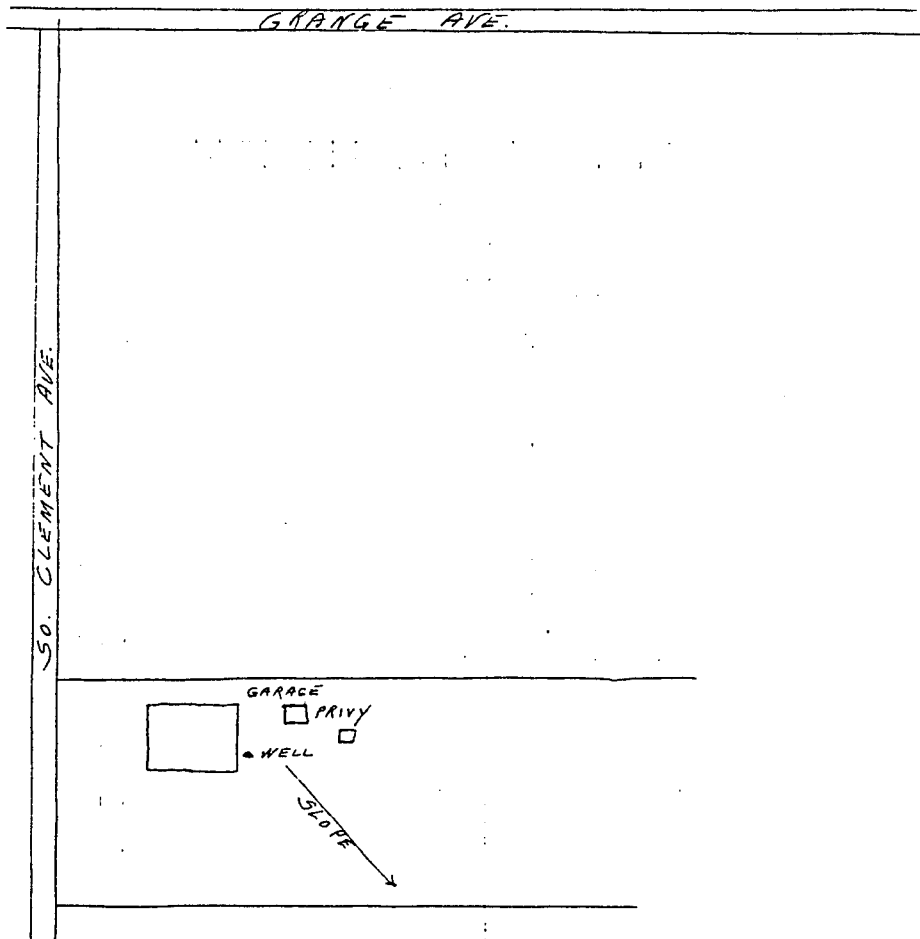
REMARKS :

Indicate position of premises in the Section

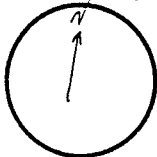
NORTH			

Sec 22 T. 6 R. 22 (E) (WA)

(Each division equals 10') (If more or less indicate:)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

NOV 22 1944

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

1. County Milwaukee (Town Lake)
2. Location 1101 - E Grange Ave. I.N.E.N. Sec 34 T6N R22E (Village Lake)
(City)
3. Owner or Agent Mr. Kettner
4. Address 1101 - E. Grange Ave. Milwaukee - Wis.
5. Sewer - ft; drain - ft; septic tank - ft; disposal unit 75 ft; barn-
yard - ft; abandoned well - ft; other - ft. Explain on obverse side.

<u>DRILLHOLE OR EXCAVATION</u>		
<u>Dia.</u> (in.)	<u>From</u> (ft.)	<u>To</u> (ft.)
8	0	30
6	30	135

CASING PIPE, LINER PIPE OR CURBING				
Dia. (in.)	Kind	From (ft.)	To (ft.)	
6	54.44 Steel Pipe	0	92	

[illegible]

<u>GROUT</u>		
Kind	From (ft.)	To (ft.)
Mud.	0	36

Yield test: 5 Hrs.-at 15 GPM.
To static water-level 5 ft.
Drawdown - - - - - 15 ft.
Water sample was sent to the _____
State Laboratory at Kenosha.
Construction of the well was com-
pleted on Sept. 23 1944
The well is terminated 8 inches
(above)(~~below~~) the permanent grade
Was the well disinfected upon
completion? - - - - Yes ✓ No _____
Was the well sealed watertight--
upon completion?- - Yes ✓ No _____
This report was prepared by ~~or~~
under the supervision of: _____

W. L. Schike

Registered Well Driller

Permit No. 44 Date Oct. 3 1944

(over)

MINNESOTA STATE DEPARTMENT OF HEALTH
INSTRUCTIONS FOR THE WELL CONSTRUCTION REPORT

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.

Line 2. If Rural: Give the number and the $\frac{1}{4}$ of the $\frac{1}{4}$ of the Section, the number of the Town North and the number of the Range East or West.

If Urban: Give the name of the Street and the number of the Premise.

Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.

Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.

Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards:

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here:

T. & C. Joints.

FHA

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

FEB 12 1940

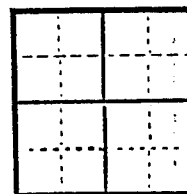
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Elmer GrothDriller Robert P. PappasStreet or RFD Nicholson RdPost Office Milwaukee, Wis.Post Office Sawyer Lake, Wis.Date Feb 11, 1940Permit No. 265

LOCATION OF PREMISES

Milwaukee
CountySawyer Lake
Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

Sec. 34Twp. 6NRange 22E
W

Describe further by subdivision, plat, district, lake, lot,

Between College & Grand Ave
 block, nearest principal highway, etc., whichever apply.

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

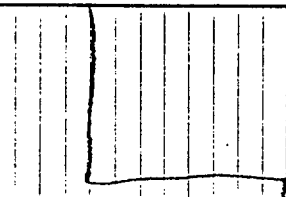
Record of
FINAL
Pumping test

5 in. iron well casing

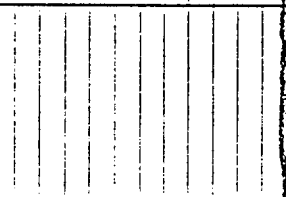
12 in. concrete tubing

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

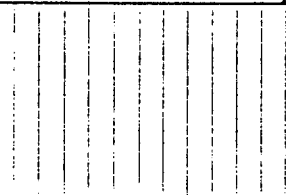
Depth



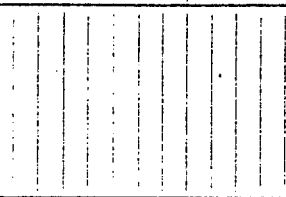
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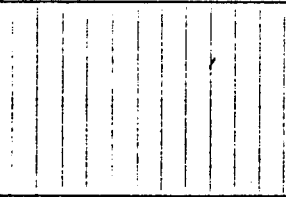
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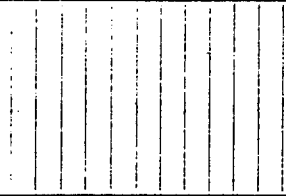
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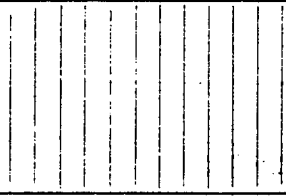
100



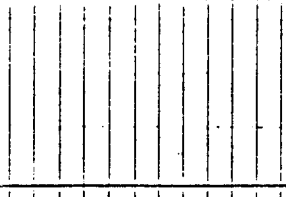
150



200



400



800



1200

Draw the diagram to show the right half only.

Solid red clay from top to 14 ft.

14 to 18 ft. - Red + blue clay mixed.

18 to 40 ft. Blue clay.

40 to 43 ft. sand + gravel.

43 to 50 ft. Blue clay.

Duration of test

Hours

Pumping rate

G.P.M.

Depth of pump in

well. Ft.

Standing water-level (from surface)

Ft.

Water-level when

pumping Ft.

Water. End of test.

Clear

Cloudy

Turbid

Was the well sterilized?

Yes

No

To which laboratory was sample sent?

Remond

Date 1-31-40

Was the well sealed on completion?

Yes

No

How high did you leave casing-pipe above grade?

1 ft.

Well was completed

Date Jan 3, 1940

Well Driller

Robert Pepp

Signature

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

? W¹/₂ Sec 3T SNR22E?

See Instructions on Reverse Side

1. County MILWAUKEE Town ☒ Village ☐ City ☐ DAK CREEK Check one and give name
2. Location ECOLLEVE AVE BETWEEN PATENT DRILLERS RD
Name of street and number of premise or Section, Town and Range Numbers
3. Owner ☒ or Agent ☐ RAY VAN BECK DEC 5 1955
Name of individual, partnership or firm
4. Mail Address 300 W. LAYTON AVE MILWAUKEE 25, WIS.
Complete address required
5. From well to nearest: Building 15 ft; sewer 25 ft; drain 15 ft; septic tank 75 ft;
dry well or filter bed 10 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	36			
6	36	121			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	94
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	35

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 15 ft.

Water-level when pumping: 21 ft.

Water sample was sent to the state laboratory at:

MADISON on Nov. 27 1955
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
TOP SOIL	0	18"
SAND	18"	35"
STONY BLUE CLAY	35	90
POROUS LIME	90	94
SOLID LIME	94	121

Construction of the well was completed on:

Nov. 27 1955

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Lee J. Blawat 5561 So. 6th ST. MILWAUKEE 15, WIS.
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd NOV 29 1955 No. 33827

Ans'd _____

Interpretation _____

SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. 0

Confirm _____

B. Coli 0/5

Examiner _____

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

130
8 1973
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY <u>Mewaukee</u>		CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		NAME <u>Mewaukee</u>	
2. LOCATION - 1/4 Section <u>N 3</u> Section <u>3</u> Township <u>5N</u> Range <u>22E</u>				3. OWNER AT TIME OF DRILLING <u>Lenox Oil</u>	
OR - Grid of street no. <u>1701 E. College Ave</u> Street name <u>College Ave</u>				ADDRESS <u>1701 E. College Ave</u>	
AND - If available subdivision name, lot & block no.				POST OFFICE <u>Mewaukee, Wis</u>	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FOUNDATION DRAIN SEWER CONNECTED INDEPENDENT
<u>10</u>					
CLEAR WATER DRAIN C. I.	SEPTIC TANK TILE	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN SILO ABANDONED WELL SINK HOLE
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.) <u>none</u>					
5. Well is intended to supply water for: <u>office</u>					
6. DRILLHOLE				9. FORMATIONS	
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>8</u>	<u>Surface</u>	<u>96</u>			
<u>6</u>	<u>96</u>	<u>296</u>			
7. CASING, LINER, CURBING, AND SCREEN					
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)	
<u>6</u>	<u>new steel</u>		<u>Surface</u>	<u>96</u>	
	<u>block 280 cull pipe</u>				
8. GROUT OR OTHER SEALING MATERIAL				10. TYPE OF DRILLING MACHINE USED	
Kind		From (ft.)	To (ft.)		
<u>Rotary mud</u>		<u>Surface</u>	<u>96</u>		
				<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary - air w/drilling mud <input type="checkbox"/> Direct Rotary <input type="checkbox"/> Rotary - hammer with drilling mud & air <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Jetting with Air Water	
11. MISCELLANEOUS DATA				Well construction completed on <u>Dec 21</u> 19 <u>72</u>	
Yield test:	<u>4</u>	Hrs. at	<u>20</u>	GPM	
Depth from surface to normal water level	<u>17</u>	ft.			
Depth to water level when pumping	<u>60</u>	ft.			
Water sample sent to <u>Port Washington, Wis. Lab 458</u>				laboratory on: <u>Dec 27</u> 19 <u>72</u>	
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.					
SIGNATURE <u>Arthur L. [Signature]</u> Registered Well Driller				COMPLETE MAIL ADDRESS LIEBAU-LAUN, INC. 1200 W. Liebau Rd. 124 N. Mequon, Wisconsin 53092	
Please do not write in space below					
COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS	

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy
 2. Location Lot 1 Blk. 1 25 26 E. Grange Ave Check one and give name
 Name of street and number of premise or Section, Town and Range numbers
 3. Owner ☐ or Agent ☒ Tomsinger Const. SWSWSE Sec 27 T6N R2E
 Name of individual, partnership or firm
 4. Mail Address 1609 N. State St.
 Complete address required

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank NONE ft;
 dry well or filter bed NONE ft; abandoned well NONE ft.

6. Well is intended to supply water for: new home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6"	20	175

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel 23 lbs.	0	87

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	87

11. MISCELLANEOUS DATA:

Yield test: 14 Hrs. at 17 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at:

Madison on Aug 10 1959
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	24
Brown Clay	24	35
Sand	35	45
Sandy Clay	45	63
Hard Pack	63	87
Rock	87	175

Construction of the well was completed on:

8-10-59 1959

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Engineer From R/Box 53 Menomonie Falls Wis
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd AUG 12 1959 No. 26653

Ans'd _____

Interpretation UNSAFE

10 ml 10 ml 10 ml 10 ml 10 ml
 Gas—24 hrs. +
 48 hrs. +
 Confirm +
 B. Coli 2
5
 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy
Check one and give name
2. Location Lot line between 2614 and 2622 E. Grange Ave. SESW SE Sec 27 T6N R 22E
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Robert Sklander and Joseph Kaban
Name of individual, partnership or firm
4. Mail Address 2622 E. Grange Ave. Cudahy, Wisconsin
Complete address required
5. From well to nearest: Building 15 ft; sewer 40 ft; drain 25 ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Private Homes

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	171			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel casing	0	100

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.

Depth from surface to water-level: 23 ft.

Water-level when pumping: 38 ft.

Water sample was sent to the state laboratory at:

Madison on 6/6/60 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Stony clay	0	12
Sandy clay	12	98
Lime rock	98	171

RECEIVED

JUN 15 1960

SANITARY
ENGINEERING

Construction of the well was completed on:

June 6, 1960

_____ 19____

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature David J. Acker
Registered Well Driller

Please do not write in space below

6094 So. Cape Rd. Hales Corners, Wis.
Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

INSTRUCTIONS

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.

Line 2. If Rural: Give the number and the $\frac{1}{4}$ of the $\frac{1}{4}$ of the Section, the number of the Town North and the number of the Range East or West.
If Urban: Give the name of the Street and the number of the Premise.

Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.

Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.

Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards:

60 ft. to privy

Slope to privy

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here: T. & C. Joints

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. County Milwaukee { Town ☐
Village ☐
City ☐ Grandview Check one and give name
2. Location World Wide Transfer Inc 1930 E College Grandview Wis
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ John Steiner 10 1/2 NW Sec 27 T6N R1E
Name of individual, partnership or firm
4. Mail Address World Wide Transfer Inc 1930 East College Grandview Wis
Complete address required
5. From well to nearest: Building 10 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed ED ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	131			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	89

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 36 ft.

Water-level when pumping: 52 ft.

Water sample was sent to the state laboratory at:

Madison on Oct 23 1957
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	13	10
sand	30	45
blue clay	35	80
sand	6	86
hard pan	3	89
lime stone	42	131

Construction of the well was completed on:

Oct 22 1957

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature James Gydlewski
Registered Well Driller

7570 So Howell South Mil Wis
Complete Mail Address

Please do not write in space below

Rec'd OCT 24 1957 No. 36810

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli C

Examiner _____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH JAN 31 1944
WELL CONSTRUCTION DIVISION

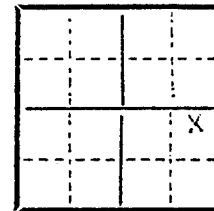
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Mr. Olson Driller W.L. Lehrke Co.
Street or RFD _____ Post Office West Allis, Wis.
Jan 11 / 44 44
Post Office Milwaukee, Wis Date _____ Permit No. _____

LOCATION OF PREMISES

Milwaukee LAKE
County Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. 3 1/2 NE



Sec. No. 27
Twp. North 6
Range 22 { E

Describe further by subdivision, plat, district, lake, lot.

ON S. SIDE E. Vogel Ave. 2 BLKS
WEST OF SO. NICHOLSON RD.
block, nearest principal highway, etc., whichever apply.

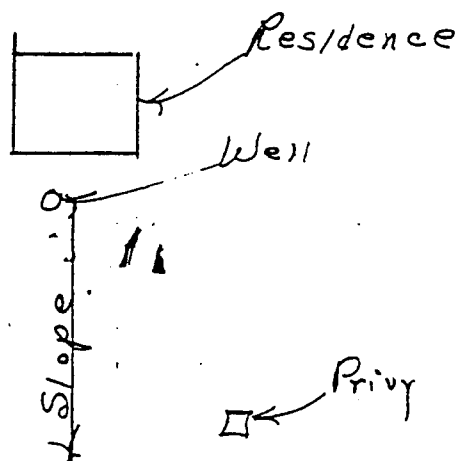
DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NO RTH

E. VOGEL ST.

To Nicholson Rd. →



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Concrete Pipe

Inches Diameter Depth

2 3 4 5 6 8 10 12 14 16



20

SAND
SHOE

Depth

2

15

19

25

46

50

75

100

150

200

400

800

1200

RED
CLAY - 15

BLUE CLAY - 4
FINE SAND - 6

BLUE
CLAY - 21'

SAND - 4'

Duration of test

Hours.....

Pumping rate

G.P.M.....

Depth of pump in

well. Ft.....

Standing water-level
(from surface)

Ft..... 20

Water-level when

pumping Ft.....

Water. End of test.

Clear.....

Cloudy.....

Turbid.....

Was the well sterilized?

Yes..... No.....

To which laboratory was sample
sent? No sample taken

Date.....

Was the well sealed on comple-
tion? yes

Yes..... No.....

How high did you leave
casing-pipe above grade?

..... 8.0

Well was completed

Date..... April 7/43

Well Constructor

W.L. Lehrke Co.

Signature

W. L. Lehrke Co.

Key;

Concrete Pipe

Mud Grout

Cement Grout

STEEL PIPE

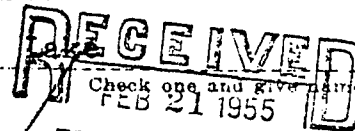
Draw the diagram to show the
full diameter and right section of
well only.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee
SWISSENA Sp. 27 T6N R3E
 2. Location 2830 E. Vogel Ave.

(Town ☒
 Village ☐
 City ☐



Check one and give name
 ENVIRONMENTAL
 SANITATION

3. Owner ☒ or Agent ☐ Frank Radowski

Name of individual, partnership or firm

4. Mail Address 2830 E. Vogel Ave. XXXXXXXX Rt. 1 Box 875 Cudahy Wisc.

Complete address required

5. From well to nearest: Building 15 ft; sewer XX ft; drain XX ft; septic tank XX ft;
 dry well or filter bed XX ft; abandoned well XX ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20			
6	0	107			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk. WD 19.45	0	74

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water-level: 36 ft.

Water-level when pumping: 38 ft.

Water sample was sent to the state laboratory at:

Kenosha on 5 / 24 19 44
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
soil clay		9
sand	2	11
clay	27	38
gravel	6	44
clay	24	68
gravel	4	72
limestone gravel	2	74
limestone WB	33	107

Construction of the well was completed on:

May 24 19 44

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature Arber & Krumm B. J. Garber 5807 W. Hampton Rd Milwaukee 16
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd _____ No _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL CONSTRUCTION DIVISION

REV - 1 1944
✓

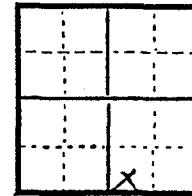
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner David Schutz Driller Lehrke Bros.
 Street or RFD So. Pine Ave Post Office 845 So. 85th West Allis
 Post Office So. Milwaukee Date Oct. 27, 1944 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
 County Town
N. E. Corner of College Ave
 Describe further by subdivision, plat, district, lake, lot,
and So. Pine St.
 block, nearest principal highway, etc., whichever apply.
6300 So Pine St

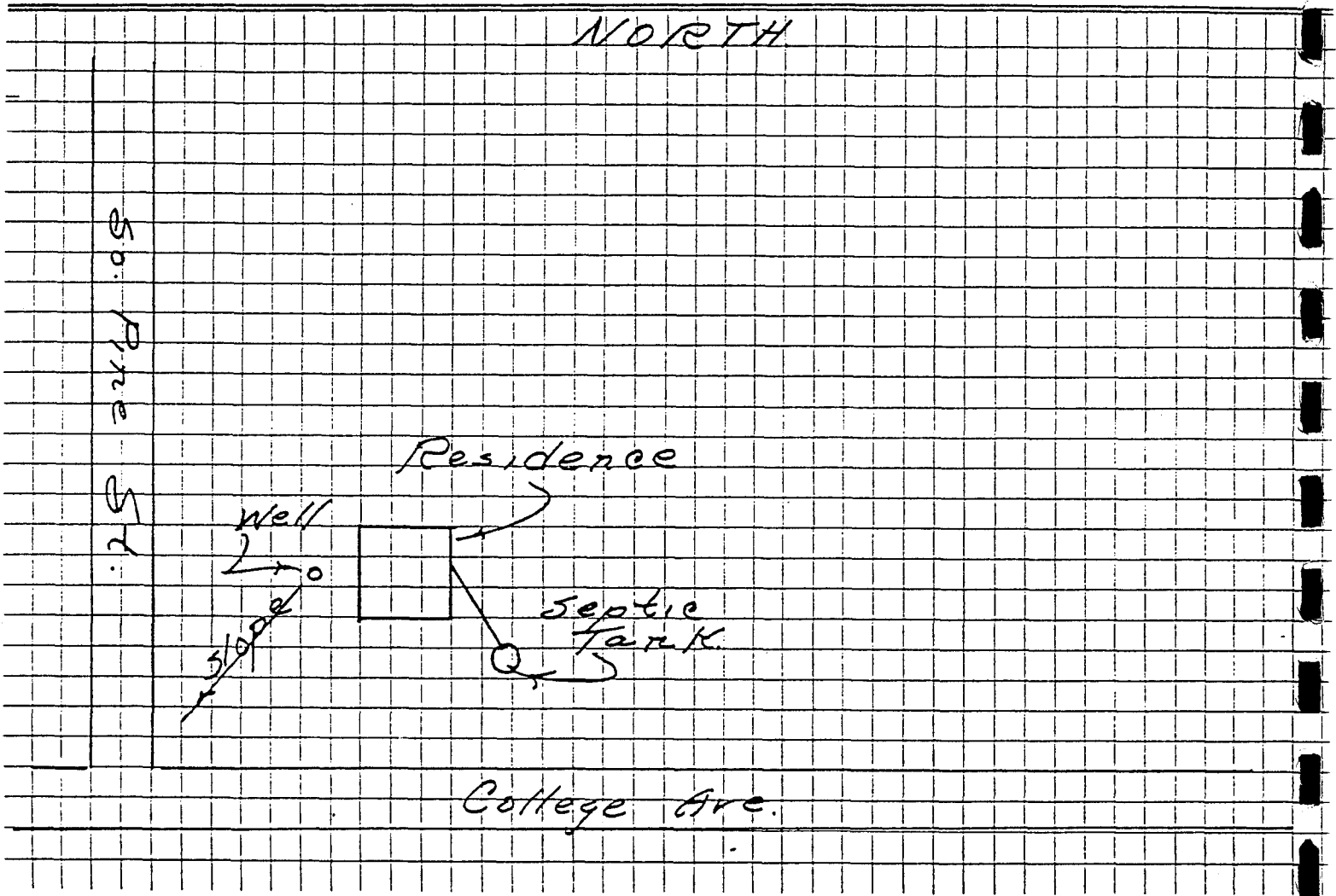
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SW, SW, SE, SE
 Sec. No. 33
 Twp. No. 6
 Range 22

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key;
Casing Pipe
Drillhole
Mod Grout

Inches											Diameter							Depth																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
2	3	4	5	6	8	10	12	14	16	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Draw the diagram to show the right half only

Red Clay - 11'

Blue Clay - 47'

Sandy Blue - 28' Clay

Sand - 8'

Stony Clay - 31'

Limestone - 40' (water bearing)

Duration of test
Hours 7

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 42

Water-level when pumping Ft. 65

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was sample sent?

Keroska

Date 7/12/41

Was the well sealed or completion?
Yes ☒ No ☐

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date 7/11/41

Well Driller
Lehke Bros.
Signature (S. L.)

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAR 2 1942

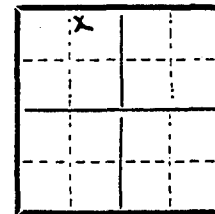
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Fred Smith Driller Lester Bros
Street or RFD W. Granger Howell Post Office 845 So. 85th W. Allis
Post Office So. Milwaukee Date 3/2/42 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
County Town
1/4 mile East of Howell Rd.
Describe further by subdivision, plat, district, lake, lot.
on So. side of E. Grange
block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



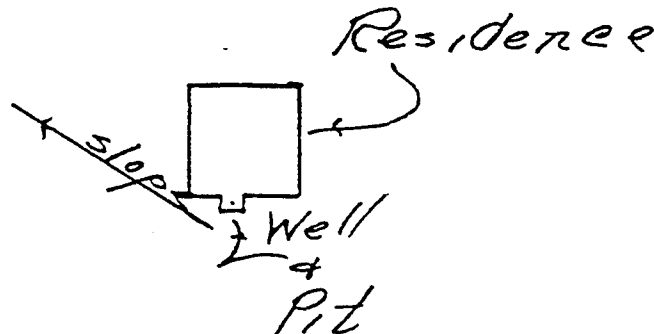
NE 1/4
Sec. No. 33
Twp. No. 6
Range 22 { E
 W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NORTH.

→ To So. Howell Rd. E. Grange



For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39.

Record of
FINAL
Pumping test

Well Constructor

Signature

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL CONSTRUCTION DIVISION

JAN 31 1944

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ray Knapp Driller W. L. Schaepe Co.
 Street or RFD Clement Ave. So of Grange Post Office West Allis, Wisc.
 Post Office Milwaukee Date July 8/43 Permit No. 44

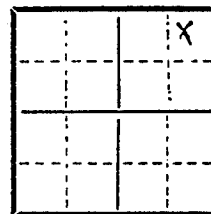
LOCATION OF PREMISES

Milwaukee County lake Town

Clement Ave. So of Grange Ave.
 Describe further by subdivision, plat, district, lake, lot.

block, nearest principal highway, etc., whichever apply.

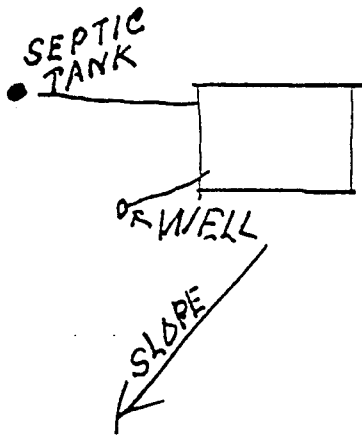
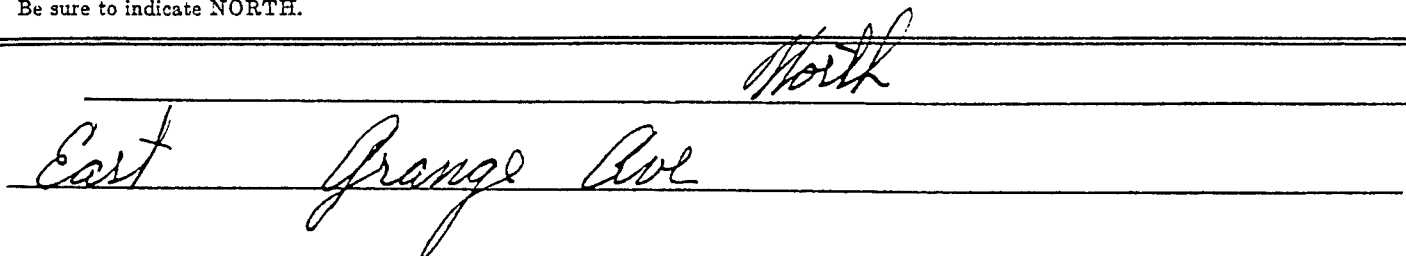
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NE NE,
 Sec. No. 33
 Twp. No. 6
 Range 22 { E

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-39.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Old Well
4 ft. 33 ft
Standard well
cullers pipe
Shoe ?
First 33 ft.
of well was
made by
other drillers -
we have no
record of it.

Inches		Diameter										Depth
2	3	4	5	6	8	10	12	14	16	18		
												25
												33
												50
												70
												75
												84
												85
												100
												150
												200
												400
												800
												1200

Draw the diagram to show the right half only

Old Well
6" pipe 33'
Blue Clay
37'
Sand, Gravel &
Broken Rock 14'
Lime Rock
66'

Duration of test
Hours..... 3

Pumping rate
G.P.M..... 15

Depth of pump in
well. Ft..... 70

Standing water-level
(from surface)
Ft..... 12

Water-level when
pumping Ft..... 65

Water. End of test.
Clear..... ☒
Cloudy..... ☐
Turbid..... ☐

Was the well sterilized?
Yes..... ☒ No..... ☐

To which laboratory was sample
sent? Kenosha
Date 8/43

Was the well sealed on comple-
tion?
Yes..... ☒ No..... ☐

How high did you leave the
casing-pipe above grade?
2 1/2'

Well was completed
Date 8/43

Well Constructor
Signature M. Schrike

AUG 12 1941

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ulrich S. Schels Driller L. L. May
 Street or RFD 5641 - S. Clement Ave. Post Office P#1 - Cudahy
 Post Office Rt. 1 - Box 348 B Date 8/12/41 Permit No. 159

Cudahy Wis. LOCATION OF PREMISES

Milwaukee County Lake Town

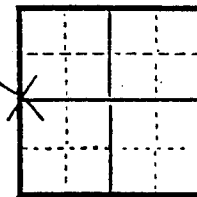
Private Home

Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

near Grange Ave & Clement Ave.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



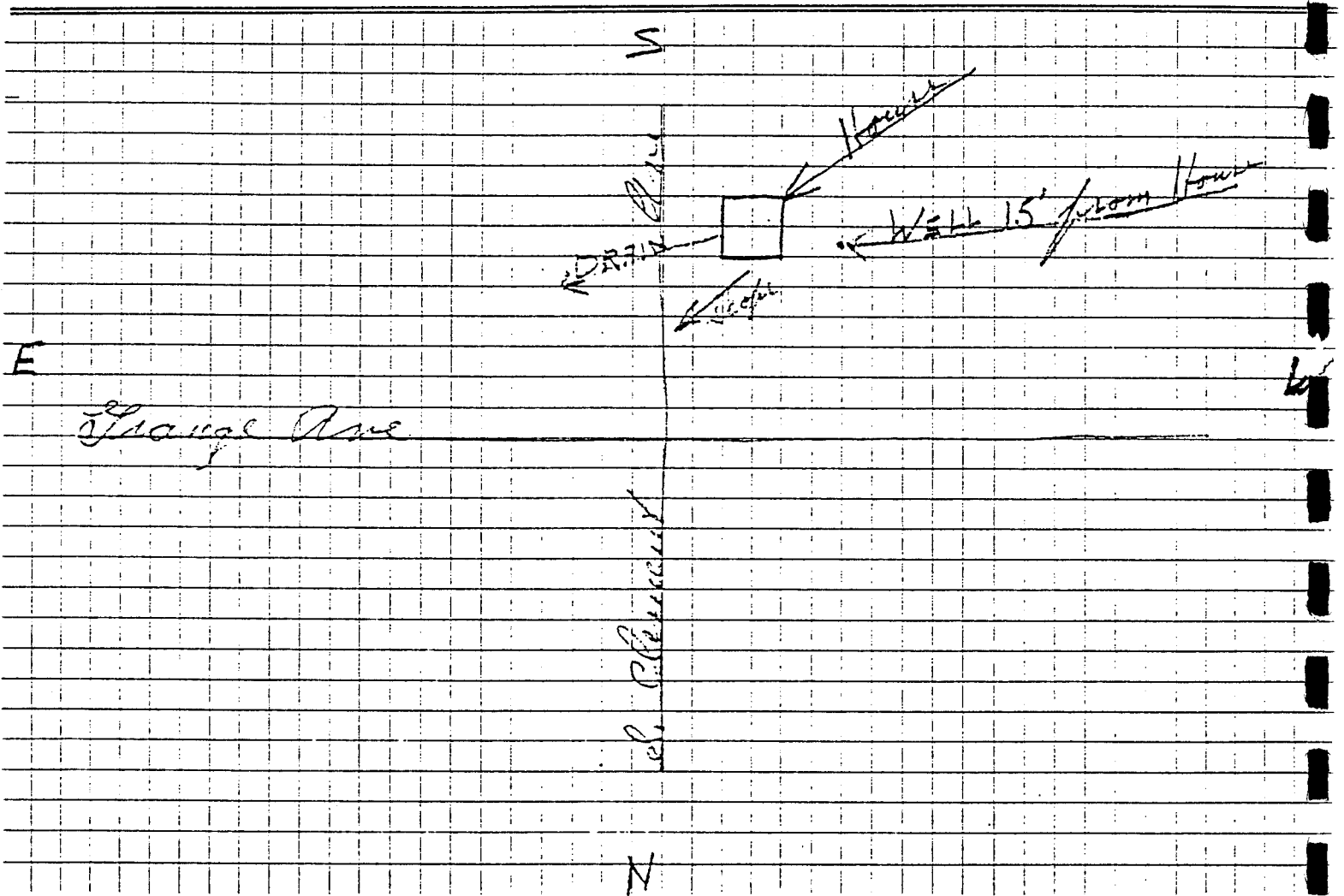
Sec. No. 3301

Twp. No. 6

Range 22 E

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

STD. WT.
WROT STEEL
PIPE



FORGED STEEL
DRIVE SHOE

KEY

Casing Pipe

DRILL HOLE

W - MUD GROUT

Inches						Diameter												Depth				
2	3	4	5	6	8	10	12	14	16	18												
																		25				
																		50				
																		75				
																		100				
																		150				
																		200				
																		400				
																		800				
																		1200				

Draw the diagram to show the right half only

TOP SOIL 15'
RED CLAY

35'-10" Hole

Stoney Blue
Clay 25'

Hard Pan
22'

WATER BEAR-
ING LIMESTONE

Well was mud grouted
as pipes were driven

Duration of test

Hours 5 hrs

Pumping rate

G.P.M. 10

Depth of pump in

well. Ft. 54'

Standing water-level
(from surface)

Ft. 50'

Water-level when

pumping Ft. 50'

Water. End of test.

Clear ☒

Cloudy ☐

Turbid ☐

Was the well sterilized?

Yes ☒ No ☐
one can of lime use

To which laboratory was
sample sent?

Kengachia

Date 8/5/41

Was the well scaled or
completion?

Yes ☒ No ☐

How high did you leave the
casing-pipe above grade?

1 ft.

Well was completed

Date 8/5/41

Corrected Aug. 28-
Comp'l. July 31-41

Well Driller

L. L. Hyatt
Signature

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.
WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Sisters of St. Frances Driller Theo Katus
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Town of Lake Address Rte. 1 Box 335
(City, village, township, county) Cudahy, Wisconsin
Date of Report July 9 1937
Milwaukee Co. Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city:

If unincorporated hamlet

If Lake Shore Plat

If Farm Milwaukee Name of Plat Lake Lot 34 Blk. Nicholson Road
County Twp. Sec. Highway

If School

If other public building

Miscellaneous

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
82'-2" of 5" Steel Drive Pipe		0' TO 81' Clay	Duration of test. Hours <u>3</u> Pumping Rate. G. P. M. <u>30</u> Depth of pump in well. Ft. <u>60</u> Standing water-level (from surface.) Ft. <u>13</u> Water level when pumping Ft. <u>38</u>
Forged Steel Shoe		81' TO 101' Lime Rock.	Water. End of test. Check: Clear <u>X</u> Cloudy <u> </u> Turbid <u> </u> Was well sterilized before test? Yes <u> </u> No <u>X</u> Date <u> </u> To which Laboratory was sample sent? <u>Madison</u> Date <u>May 31-37</u> Was the well sealed on completion? Yes <u>Pump</u> No <u>Grout</u> How high did you leave casing above grade? <u>8"</u> Well was completed <u>May 31</u> 19 <u>37</u> Well Driller: <u> </u> Signature. <u> </u> (Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS: (See well log for details)

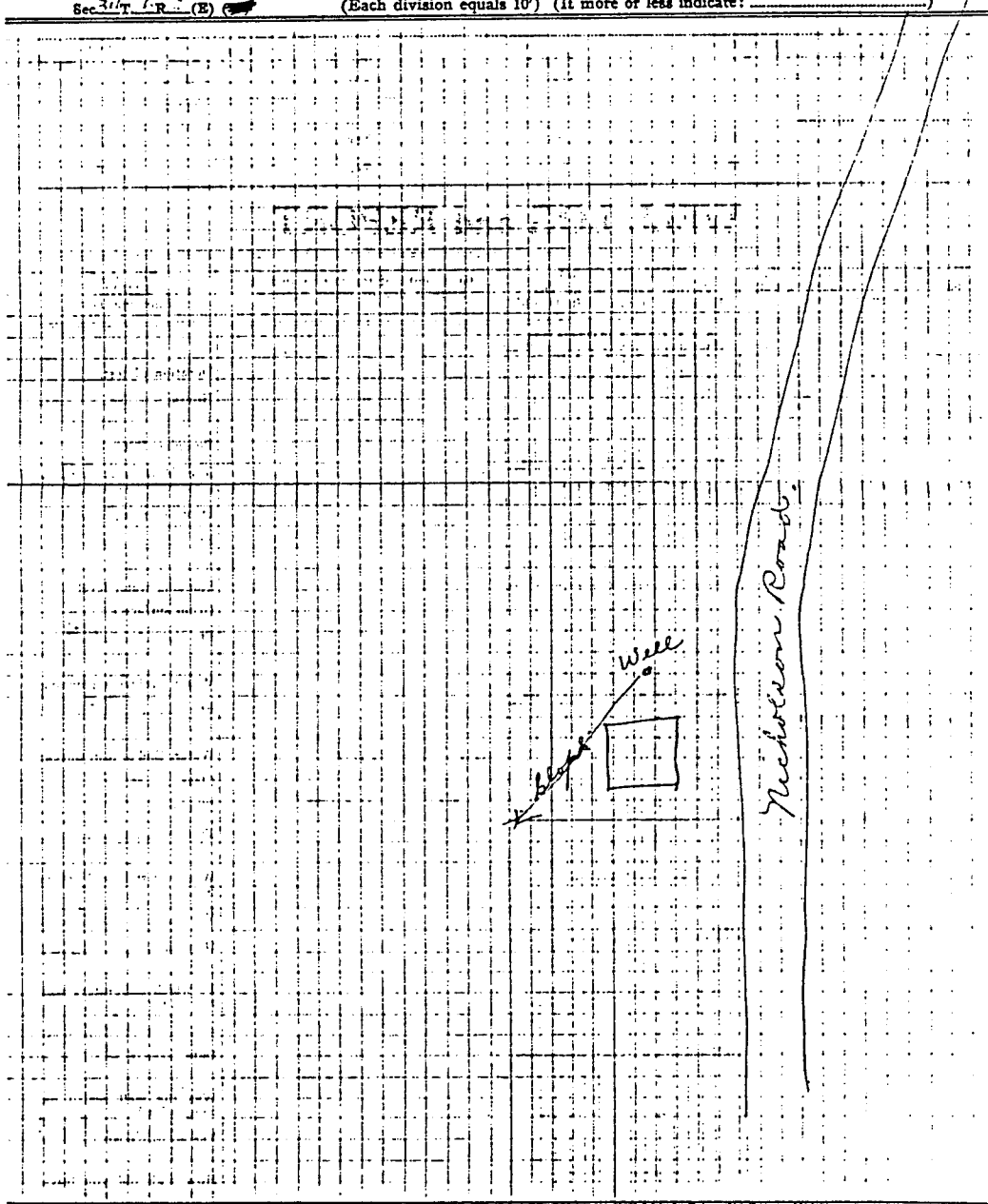
(INDICATE POSITION OF WELL ON SKETCH)

Indicate position of premises in the Section

NORTH

Section 1, T. 1, R. 1 (E)

(Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

Wsl 6

1. County Milwaukee { Town ☐ Village ☐ City ☒ Cudahy **RECEIVED**
2. Location 616 95th Ave ³¹⁵⁻²⁸⁵ 5125E Sec 34 T6N R2E **DATE 1964**
Name of street and number of premise or section, Town and Range numbers
3. Owner ☐ or Agent ☒ Select Builders **SANITARY ENGINEERING**
Name of individual, partnership or firm
4. Mail Address 15255 Watertown Plank Rd. Elm Grove, Wis.
Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain 25 ft; septic tank 50 ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	30			
6 7/8	30	158			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
700	Steel	0	94

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	50

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 13 GPM.

Depth from surface to water-level: 65 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at:

Madison on Sept 1964
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	88
Sand	88	94
Lime Stone	94	158

Construction of the well was completed on:

Sept 11 1964

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature

Lutz Well Drilling
Registered Well Driller

Please do not write in space below

4440 N. 135th Brookfield, Wis.
Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ Cudahy Wis.
Check one and give name

2. Location 5747 S Pennsylvania Ave. NESENW Sec 34 T6N R22E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Cudahy Kart Raceway Inc.
Name of individual, partnership or firm

4. Mail Address 5747 S. Pennsylvania Ave. Cudahy Wis.
Complete address required

5. From well to nearest: Building 5 ft; sewer 9 ft; drain not installed ft; septic tank not installed ft;
dry well or filter bed not installed ft; abandoned well not installed ft.

6. Well is intended to supply water for: Sanitary Fillacities

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	0	189			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Blk. WD 19.45	0	90

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud	6	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 18 ft.

Water-level when pumping: 39 ft.

Water sample was sent to the state laboratory at:

Madison on 6/28 19 60
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay stony		18
clay	14	32
clay sandy	14	46
gravel	13	59
clay gravel	19	78
gravel	8	86
conglomerate	4	90
limestone	46	136
crevices	6	142
limestone Wb	47	189

Construction of the well was completed on:
June 28 19 60

The well is terminated 82 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Garber & Son B.G. Garber
Registered Well Driller

5807 W. Hampton Rd Milwaukee 18
Complete Mail Address

Rec'd JUN 29 1960 22925
No.

Ans'd _____

Interpretation UNSAFE

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 2/5

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

W 1/2 NE Sec 34 T6N R22E

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy Check one and give name
2. Location 5700 S. Pennsylvania Av Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Nissen Crane & Service Co. Name of individual, partnership or firm
4. Mail Address 814 W. Armour Milwaukee 7 Wisc. Complete address required
5. From well to nearest: Building 5 ft; sewer — ft; drain — ft; septic tank 56 ft;
dry well or filter bed 57 ft; abandoned well — ft.
6. Well is intended to supply water for: repair shop

FEB 17 1958

ENVIRONMENTAL
SANITATION

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
8	22	194			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	1 1/2" Std W.D 19.45 lb + 8"	97	

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	6	22

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 12 GPM.

Depth from surface to water-level: 18 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at:
Madison on Feb 5 1958
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay Storey	0	15
Sandy Clay	15	50
Silt & Gravel	50	56
Hard pan Muddy	56	60
Sand & Gravel	60	78
Hard pan	78	91
Lime Stone Shells	91	97
Limestone W.B.	97	194

Construction of the well was completed on:

Feb. 5 1958

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☐ No ☒

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature GARBER & Son (P. J. Garber 5807 W. Hampton Av Milwaukee 18 Wisc)
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd FEB 6 1958 No. 2946

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 0

Examiner _____

SEP 18 1945

7. DRILLHOLE OR EXCAVATION:

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

Signature Harvey Acker
Registered Well Driller

[illegible]

The well is terminated 6 inches
(above) (below) the permanent grade.

Was the well sealed watertight upon completion?
Yes ✓ No _____

9316 W Coldspring Westallis
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

OCT 22 1945

1. County milwaukee Town Lake
 2. Location Calhoun Ave. @ So. Michelson Ref
 3. Owner or Agent Walter J. Liron
 4. Address T 6 N R 22 E S 34
or
T 5 N R 22 E Sec 3
 5. From well to nearest: Building _____ ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: _____

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6	40	156

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Pipe	0	109

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	Thick-ness (ft.)	Total Depth (ft.)
Red Clay	20	20
Blue Clay	55	75
Sand Dry	10	85
Hard Pan	24	109
Limestone	47	156

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.
 Depth from surface to water: 40 ft.
 Water-level when pumping: 40 ft.
 Water sample sent to laboratory at
Kenosha on _____ 19____

Construction of the well was completed on 10/13/45 19____
 The well is terminated 174 inches
 (above) (below) the permanent grade.
 Was the well disinfected upon completion?
 Yes No
 Was the well sealed watertight upon completion?
 Yes No

Signature _____

Registered Well Driller

Complete Mail Address _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ So. MILWAUKEE
N 1/2 Sec 3 T 2 S N 22 E Check one and give name

2. Location 1835 E COLLEGE AVE
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ GEORGE A. DAWIDZIAK
 Name of individual, partnership or firm

4. Mail Address SAME
 Complete address required

5. From well to nearest: Building 15 ft; sewer 20 ft; drain 15 ft; septic tank 50 ft;
 dry well or filter bed 140 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	173			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	125
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 77 ft.

Water sample was sent to the state laboratory at:

MADISON on AUG. 29 1955
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	110
HARD PAN	110	124
PORUS LIMESTONE	124	125
SOLID LIMESTONE	125	173

Construction of the well was completed on:

AUG. 29 1955

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Lee J. Blawie 5561 So. 6TH ST. MILWAUKEE, WIS. 156
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd AUG 31 1955 No. 28995

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. 60

Confirm _____

B. Coli 0

Examiner 5

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ SO. MILWAUKEE
Check one and give name
 2. Location 1601 E. COLLEGE N 2 Sec 3 T 5 N R 22 E
Name of street and number of promise or Section, Town and Range numbers
 3. Owner ☒ or Agent ☐ ROBERT H. SCHULLEN
Name of individual, partnership or firm
 4. Mail Address 3352 E. COLLEGE AVE SO. MILWAUKEE WIS
Complete address required
 5. From well to nearest: Building NINE ft; sewer NINE ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.
 6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	141			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	113
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.
 Depth from surface to water-level: 25 ft.
 Water-level when pumping: 45 ft.
 Water sample was sent to the state laboratory at:
MALISCH on JUNE 12 1951
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	10
BLUE CLAY	10	65
SAND	65	90
HARD PAN	90	110
UPPER LIME	110	113
SOLID LIME	113	141

Construction of the well was completed on:

JUNE 12 1951

The well is terminated 12 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawat
 Registered Well Driller

5561 SO. 6TH ST
 Complete Mail Address

Please do not write in space below

Rec'd JUN 13 1951 No. 8620

Ans'd Saf

Interpretation _____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
48 hrs.	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Confirm	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
B. Coli	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Examiner _____

RECEIVED
 JUN 19 1951
 SANITARY DIV.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

RECEIVED

1. County MILWAUKEE {Town ☐ Village ☐ City ☒ S. MILWAUKEE SEP 23 1960
N² Sec 3 T5N R22E Check one and give name
2. Location 1783 E. COLLIER AVE
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ ERNEST HUMSIK **SANITARY ENGINEER IN**
Name of individual, partnership or firm
4. Mail Address 4103 S. CLEMENT AVE MILWAUKEE, WIS.
Complete address required
5. From well to nearest: Building 30 ft; sewer 40 ft; drain 40 ft; septic tank 40 ft;
dry well or filter bed 140 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	23	6	23	125
6 23	23	202	5	125	202

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	111
	IRON PIPE		
5	20' OF 5" LINER	105	125

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	23

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.
Depth from surface to water-level: 56 ft.
Water-level when pumping: 85 ft.
Water sample was sent to the state laboratory at:
MADISON on SEP. 14 1960
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	109
PORUS LIME	109	111
CAVITY LIME	111	125
20' OF 5" LINER	105	125
SOLID LIME	125	202

Construction of the well was completed on:

AUG. 6, 1960

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature Lee J. Blawie 1731 W. PRAYNE AVE MIL. 21, WIS
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd SEP 16 1960 No. 36415

Ans'd _____

Interpretation _____

UNSAFE

Gas—24 hrs. + + + + +

48 hrs. _____

Confirm + + + + +

B. Coli 2/5

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

E 1/2 NW Sec. 3 T 5 N R 22 E

1. County MILWAUKEE Town ☐ Village ☐ City ☒ OAK CREEK
Check one and give name

2. Location 6465 So. PENNSYLVANIA AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ VERNON H. BOUBDO
Name of individual, partnership or firm

4. Mail Address 6465 So. PENNSYLVANIA AVE - So. MILWAUKEE WIS.
Complete address required

5. From well to nearest: Building 25 ft; sewer 30 ft; drain 30 ft; septic tank 100 ft;
dry well or filter bed 100 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	172			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	142

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

MADISON on JAN 30 1960
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	140
PORUS LIME	140	142
SOLID LIME	142	172

RECEIVED

FEB 4 1960

ENGINEERING

Construction of the well was completed on:

JAN. 2 1960

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawie 1731 W. GRANGE AVE MIL. 21, WIS
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd JAN 27 1960 No. 2139

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 0

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NENE NW Sec 3 T5N R22E

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Oak Creek
 Village ☐
 City ☐

2. Location 851 Nicholson av
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ William F. Rehbein
 Name of individual, partnership or firm

4. Mail Address 724 Madison av South Milwaukee Wis.
 Complete address required

5. From well to nearest: Building 15 ft; sewer 44 ft; drain 15 ft; septic tank 48 ft;
 dry well or filter bed ✓ ft; abandoned well ✓ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	23			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	stul	0	101

9. GROUT:

Kind	From (ft.)	To (ft.)
clay	0	23

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 8 GPM.
 Depth from surface to water-level: 72 ft.
 Water-level when pumping: 74 ft.
 Water sample was sent to the state laboratory at:
Madison on 1-13 1953
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	14	27
Sand & Gravel	41	68
Stoney clay	28	96
Hard Pak	5	101
Limestone	57	158

Construction of the well was completed on:

1-12 1954

The well is terminated 9 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature John But 8620 N. National av 14 Wis.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd JAN 14 1954 No. 940

Ans'd _____

Interpretation _____

Unsatisfactory
Chronic Present

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ South Milwaukee
NE Sec 3 T5 N R 22 E, SE Sec 34 T6 N R 22 E Check one and give name

2. Location On College Ave, a block east of Pennsylvania Ave
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☒ Melvin Krueger, Pastor
Name of individual, partnership or firm

4. Mail Address _____
Complete address required

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 75 ft;
dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: church **RECEIVED**

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	10	20	150

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	V.P. Steel 19.4	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 10 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at:

Madison on Dec. 20 1957
City

10. FORMATIONS: DEC 30 1957

Kind	From (ft.)	To (ft.)
ENVIRON SANITATION		
Red Clay	10	10
Blue Clay	10	75
Sand + Gravel	75	100
and Blue Clay		
Hardpan - broken rock	100	107
Limerock	107	150

Construction of the well was completed on:

Dec. 19 1957

The well is terminated 12 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature [Signature]
Registered Well Driller

Please do not write in space below

3033 W. Cold Spring Rd. Milwaukee 15, Wis.
Complete Mail Address

Rec'd DEC 24 1957 No. _____

Ans'd This sample is unsatisfactory for
Interpretation bacteriological analysis because
of the presence of chlorine.

10 ml 10 ml 10 ml 10 ml 10 ml
Gas 24 hrs.
48 hrs.
Confirm _____
B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

FEB 20 1946

1. County MILWAUKEE Town LAKE
 2. Location 5746 S. PENNSYLVANIA AVE SWSWSE Sec 27 T6N R22E
 3. Owner or Agent AUGUST RADDATZ
 4. Address 5746 S. PENNSYLVANIA AVE
 5. From well to nearest: Building 15 ft; sewer 1 ft; drain 1 ft; septic tank 50 ft;
 dry well or filter bed 1 ft; abandoned well 1 ft.

6. Well is intended to supply water for: HOME

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	153

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STANDARD WEIGHT	0	110
	IRON PIPE	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	30

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
YELLOW CLAY	18	18
BLUE CLAY	25	43
STONY CLAY	28	71
GRAVEL (COURSE)	12	83
STONY CLAY	10	93
HARD PAN (BOULDERS)	17	110
LIME STONE	23	133
(WATER BEARING)		

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 15 ft.

Water-level when pumping: 35 ft.

Water sample sent to laboratory at

KENOSHA on Dec. 29 1945

Construction of the well was completed on

Dec. 29 1945

The well is terminated 8 inches (above) the permanent grade.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature Robert W. Hanks
 Registered Well Driller

5038 N. 50th St Milwaukee Wis
 Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

APR 24 1945

SE SW 27 T6N R22E NO DEAT EHT NO DETAGIINI KOTTAMROTI, IA
ALL INFORMATION INDICATED ON THE FACE OF THIS REPORT IS TRUE AND CORRECT

1. County Milwaukee Town Lake
2. Location 2700 E. Grange Ave
3. Owner or Agent T. W. Switalski
4. Address Milwaukee - Wis.
5. From well to nearest: Building 8 ft; sewer — ft; drain — ft; septic tank — ft;
dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	35
6	35	111

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	111

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	35

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	4	4
Blue Clay	37	41
Sandy Clay	26	67
Sand	6	73
Blue Clay	28	101
Brown Rock	3	104
Limestone	68	172

11. MISCELLANEOUS DATA:

- Yield test: 3 Hrs. at 20 GPM. Construction of the well was completed on April 2 1945
Depth from surface to water: 47 ft. The well is terminated 6 inches (above) (below) the permanent grade.
Water-level when pumping: 57 ft. Was the well disinfected upon completion? Yes ☒ No ☐
Water sample sent to laboratory at Renosha on April 2 1945 Was the well sealed watertight upon completion? Yes ☒ No ☐

Signature W. L. Schike Registered Well Driller D. L. Complete Mail Address 845 So 85 St. West Allis 14
Wis.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE Town ☒ TOWN OF LAKE
 Village ☐ City ☐ Check one and give name
2. Location 5278 S. PENN. AVE [SWNWSE Sec 27 T6N R22E]
 Name of street and number of premise or section, Town and Range numbers
3. Owner ☐ or Agent ☐ MRS M. MUSZYNSKI
 Name of individual, partnership or firm
4. Mail Address 5278 S. PENN. AVE
 Complete address required
5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank — ft;
 dry well or filter bed — ft; abandoned well — ft.
6. Well is intended to supply water for: RESIDENTS

AUG 10 1949

BUREAU
SAN. ENG.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	35	6	35	154

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STEEL PIPE	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
PUDDLED CLAY	0	35

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 11 GPM.Depth from surface to water-level: 20 ft.Water-level when pumping: 25 ft.

Water sample was sent to the state laboratory at:

KENOSHA 29 on JULY 1949
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
CLAY	0	40
SAND	40	80
HARD PAN	80	120
LIME STONE	120	154

Construction of the well was completed on:

JULY 29 1949The well is terminated 6 inches☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Joseph Mader
 Registered Well Driller4654 N 29th MILWAUKEE 9 WIS

Complete Mail Address

Please do not write in space below

Rec'd 7-30-49 No. 1002Ans'd 7-31-49Interpretation CLAY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. + + + + +48 hrs. — — — — —Confirm — — — — —B. Coli — — — — —Examiner JLM

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
 SENESE SPEC. 7 TON R 225 See Instructions on Reverse Side

RECEIVED
 BUREAU
 JAN 28 1951
 SAN. ENG.

1. County Madison { Town ☒ of Lake
 Village ☐
 City ☐ Check one and give name.
 2. Location 3125 East Underwood
 Name of street and number of premise or Section, Town and Range numbers
 3. Owner ☒ or Agent ☐ F. H. Trindle
 Name of individual, partnership or firm
 4. Mail Address Same
 Complete address required

5. From well to nearest: Building 6 ft; sewer 25 ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: 1 family home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight		
	Inspected No 1 Used Pipe	0	104

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	104

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at:

Madison on Jan 23 1951
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	50
Blue Clay	50	85
Sand	85	104
Hard Rock	104	115

Construction of the well was completed on:

Jan 22 1951

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature Charles Aker 3934 So. 4th St. Milwaukee 15 Wis.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd JAN 23 1951 No. 991

Ans'd _____

Interpretation Good

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. + 0 0 + 0

48 hrs. + + + + 0

Confirm _____

B. Coli _____

Examiner _____

County milwaukee Twp. Lake Sec. 28 TEN R32E

is now the airport area -
Well is probably abandoned

S.W., S.E., Sec. 28 TEN R32E

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board
(TO BE USED FOR THAT PURPOSE ONLY)

Owner R. Schroeter Driller Gersha Bros.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address 845 E. 85 St.
Address Town of Lake, Milwaukee Co., Wis. (City, village, township, county)
Date of Report Oct 24 1938
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.
If unincorporated hamlet Name County Twp. Highway
If Lake Shore Plat Name of Plat Lake Lot Blk. Street
If Subdivision Name County Twp. Sec. Lot Blk.
If Farm Milwaukee Lake 28 E. Grand Ave
County Twp. Sec. Highway
If School County Twp. Sec. District
If other public building Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
100' of 5" Steel drive pipe down 103'	0 2 4 6 8 10 12 14 16 18 20	0' TO 4' Pit	Duration of test. Hours <u>6</u>
	35 75 100	4' TO 45' Sandy Clay	Pumping Rate. G. P. M. <u>12</u>
	150 180 200	45' TO 102' Stony Clay	Depth of pump in well. Ft. <u>60</u>
5" Forged shoe	200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200	102' TO 129' lime rock	Standing water-level (from surface.) Ft. <u>8'</u>
			Water level when pumping Ft. <u>60</u>
			Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/>
		Was well sterilized before test? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>9/10/38</u>	To which Laboratory was sample sent? <u>Minosia</u> Date <u>9/11/38</u>
		Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	How high did you leave casing above grade? <u>8" above pit floor</u>
		Well was completed <u>9/11</u> 19 <u>38</u>	Well Driller: <u>W. G. Gersha</u> Signature.
		(Be sure to complete the report on the reverse side)	

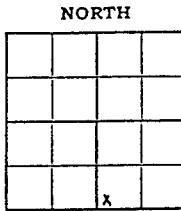
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS : Report blasting and unusual items in this space:

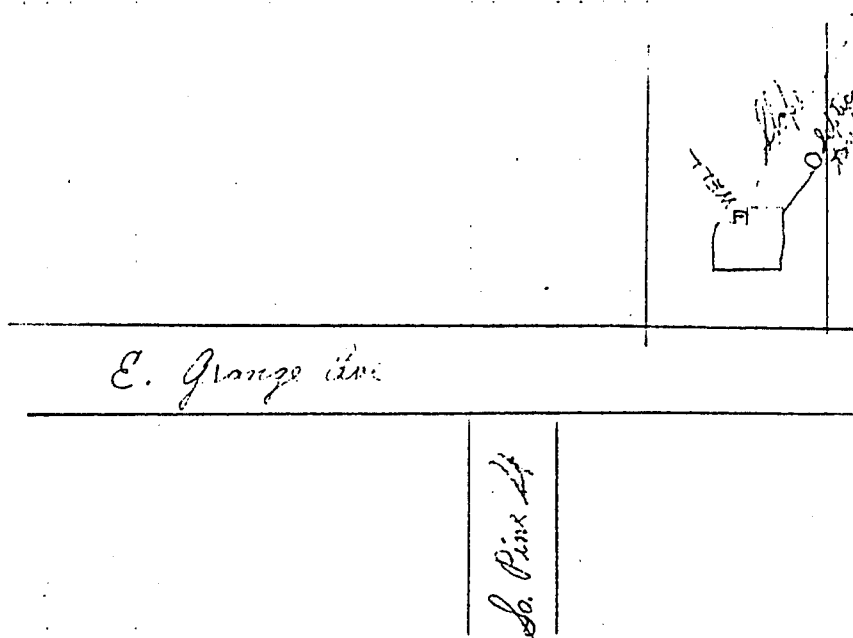
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.



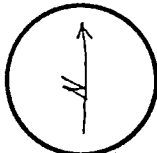
Sec. 28 T. 6 R. 22 (E) (~~W~~) (Each division equals 10') (If more or less indicate:)

DRAW PREMISES DIAGRAM BELOW.

(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North"
Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

ML-302

RECEIVED
MAY 10 1951
SANITARIUM

1. County Milwaukee { Town ☐
Village ☐ Town of Lake
City ☒ Check one and give name
2. Location SE, NW, sec 28 T6N R22E
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☐ Tactical Air Direction Center, General Mitchell Field
Name of individual, partnership or firm
4. Mail Address Tactical Air Direction Center, General Mitchell Field
Complete address required
5. From well to nearest: Building ft; sewer ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Drinking, toilets, boiler, etc.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
16 "	0	105			
8 "	105	300			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
16"	steel	0	85
10"	GWI	0	105

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	0	105

11. MISCELLANEOUS DATA:

Yield test: Hrs. at GPM.
Depth from surface to water-level: ft.
Water-level when pumping: ft.
Water sample was sent to the state laboratory at:
Madison on October 19 50
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	60
Gravel	60	85
Niagara limestone	85	300

Construction of the well was completed on:

October 4, 19 50

The well is terminated 18" inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature Russ E. Milaeger Registered Well Driller
Please do not write in space below

Milaeger Well Drilling Co.
4630 West Burleigh Street, Milw. 10, Wis.
Complete Mail Address

Rec'd No.
Ans'd
Interpretation

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.
48 hrs.
Confirm
B. Coli
Examiner

OCT 22 1945

Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

Sec 34 T6N R22E

1. County Milwaukee Town ☒ Village ☐ City ☐ Lake
Check one and give name
2. Location Nicholson on 30th north of College
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Stan. Hurboushi
Name of individual, partnership or firm
4. Mail Address 3601 S. Chase on Milwaukee W is
Complete address required
5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank 0 ft;
 dry well or filter bed — ft; abandoned well — ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10-	0	24			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	24

11. MISCELLANEOUS DATA:

Yield test: 14 Hrs. at 10 GPM.Depth from surface to water-level: 56 ft.Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at:

Kenosha on 7-24 1951
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	87	100
Gravel	15	115
Limestone	30	145

Construction of the well was completed on:

7-24 1951The well is terminated 6 inches
☒ above, below ☒ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature John Burr & Co. 8620 W. National Av. West Allis W is
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd 7-27-51 No. 17410Ans'd 7-27-51Interpretation see

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. — — — — —48 hrs. — — — — —Confirm — — — — —B. Coli — — — — —Examiner 7-27-51

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Cabe Creek
 2. Location T6N R22E E 1/2 Sec 34 S. Roberts Ave? Check one and give name

3. Owner ☒ or Agent ☐ Glenn Cooper Name of individual, partnership or firm

4. Mail Address _____ Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank 50 ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Private dwelling

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20	6	20	137

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W.D. Steel	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Reddled Clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 65 ft.

Water sample was sent to the state laboratory at:

Madison City on Sept. 22 1954

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	10
Sand	10	20
Blue Clay	20	45
Sand & Bl. Clay	45	55
Blue Clay	55	95
Hard P. str.	95	107
Limestone	107	137

Construction of the well was completed on:

Sept. 22, 1954

The well is terminated 12 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature

Robert Cooper
 Registered Well Driller

Please do not write in space below

3033 N. Coldwater Rd. Milwaukee 15, W.
 Complete Mail Address

Rec'd

SEP 24 1954

No. 30337

Ans'd

Interpretation

UNSAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

4/5 Examiner

See Instructions on Reverse Side

APR 27 1946

10. FORMATIONS:

[illegible]

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Weight	0	105
	Steel Pipe		

Kind	From (ft.)	To (ft.)
Rock cuttings	0	15

Milwaukee 7, Wisconsin

Casimer Szydlowski

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

AUG 19 1940

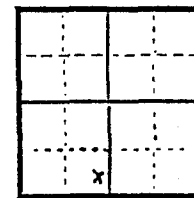
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner J. Learned Driller Lehrke Bros
 Street or RFD R.R. 1 Bx 298 Post Office 845 So. 85th West Allis
 Post Office Cudahy Date Aug. 11, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
 County Town
131K S.W. of College Ave
 Describe further by subdivision, plat, district, lake, lot,
on West Side of
 block, nearest principal highway, etc., whichever apply.
Nicholson

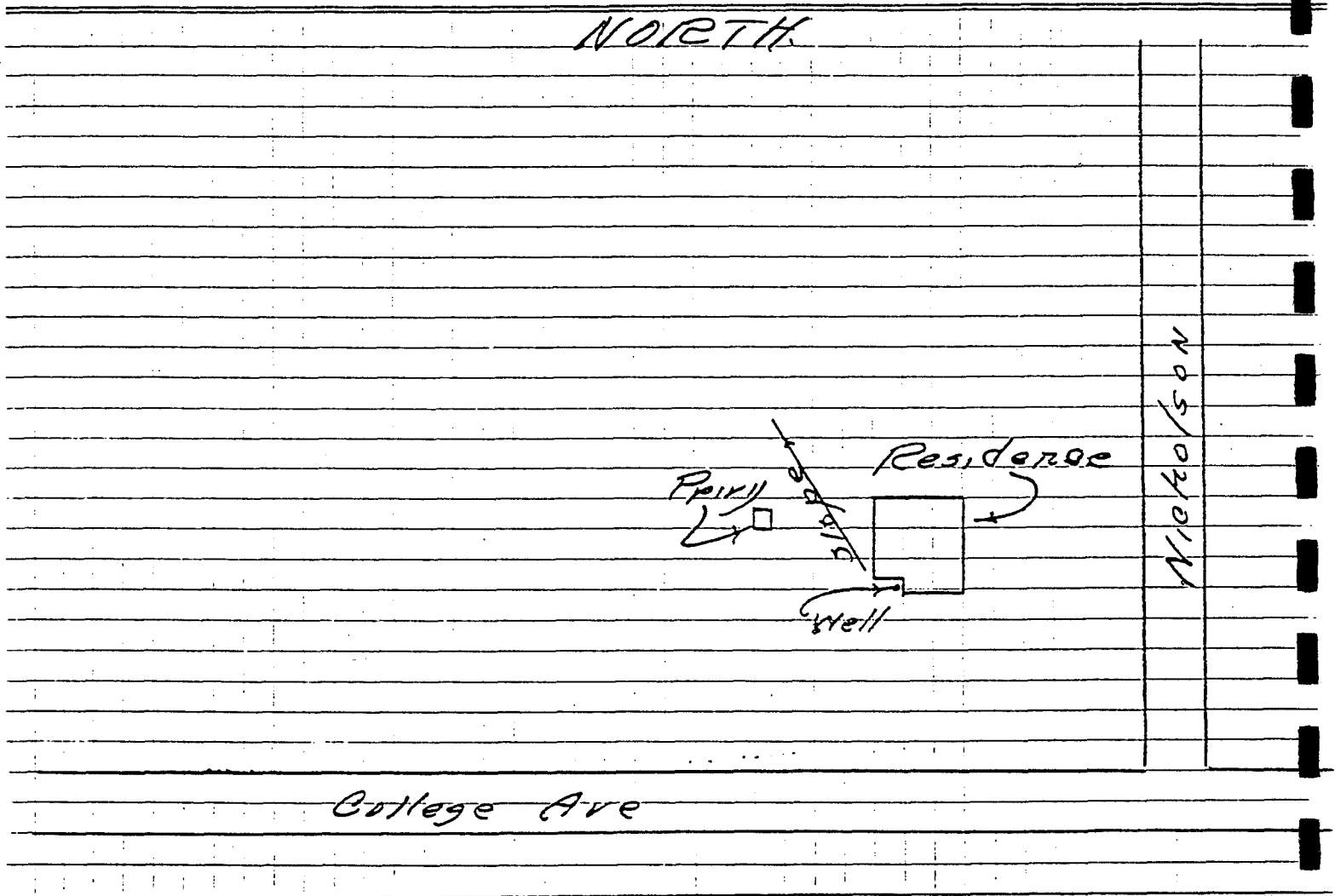
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SESESW
 Sec. 34
 Twp. 6N
 Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key:
Casing pipe
Drillhole
Mud Grout

Inches Diameter													Depth
2	3	4	5	6	8	10	12	14	16	18			
													12
													18
													25
													50
													75
													93
													100
													106
													119
													132
													133
													150
													175
													200
													400
													800
													1200

Draw the diagram to show the right half only

Red
Sandy - 12'
Clay

Soft
Blue - 81'
Clay

Sand - 13"

Stony
Clay - 13'

Hardpan - 13

limestone - 43'
(waterbearing)

Duration of test
Hours 4

Pumping rate
G.P.M. 15

Depth of pump in
well. Ft. 80

Standing water-level
(from surface)
Ft. 70

Water-level when
pumping Ft. 73

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was
sample sent?
Kenosha
Date July 22-4

Was the well sealed on
completion?
Yes ☒ No ☐

How high did you leave the
casing-pipe above grade?
6"

Well was completed
Date July 21-4

Well Driller
Delike Bros.
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha { Town ☐ Village ☐ City ☒ Audubon
Check one and give name

2. Location 2208 E. College Ave. SESENSO. 34 TOW. 22E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Gerald Hahn
Name of individual, partnership or firm

4. Mail Address _____
Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Private dwelling

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>0</u>	<u>20</u>	<u>6</u>	<u>20</u>	<u>170</u>

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>N.D. Steel</u>	<u>0</u>	<u>128</u>

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>Buddled Clay + Cuttings</u>	<u>0</u>	<u>20</u>

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 65 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at:

Madison City on Aug 18 1955

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>Red clay</u>	<u>0</u>	<u>10</u>
<u>Blue clay</u>	<u>10</u>	<u>80</u>
<u>Sand + Gravel</u>	<u>80</u>	<u>90</u>
<u>Blue clay</u>	<u>90</u>	<u>117</u>
<u>Stones</u>	<u>117</u>	<u>120</u>
<u>Sand + Gravel</u>	<u>120</u>	<u>128</u>
<u>Limestone</u>	<u>128</u>	<u>170</u>

Construction of the well was completed on:

Aug. 17, 1955 1955

The well is terminated 12 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Robert S. Sipp
Registered Well Driller

Please do not write in space below

3033 W. College Rd. Milwaukee, Wis.
Complete Mail Address

Rec'd 8/19/55 No. 27226

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd _____

Gas—24 hrs. _____

Interpretation _____

48 hrs. 0

Confirm _____

B. Coli _____

Examiner 0/5

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wsl 6

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Aubrey
Check one and give name
2. Location 6265 So. Penn Ave SESESW Sec 34 TGN R22E
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Cities Service oil Co.
Name of individual, partnership or firm
4. Mail Address 626 E. Wis Ave Milwaukee Wisconsin
Complete address required
5. From well to nearest: Building 25 ft; sewer 50 ft; drain _____ ft; septic tank 50 ft;
dry well or filter bed _____ ft; abandoned well _____ ft.
6. Well is intended to supply water for: Service Station

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	190			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Standard Weight	0	133

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Shurry	0	123

11. MISCELLANEOUS DATA:

Yield test: 2 1/2 Hrs. at 20 GPM.Depth from surface to water-level: 60 ft.Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at:

Madison on May 8 1962
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	8
Blue "	8	50
Sand	50	123
Limestone	123	190

RECEIVED

MAY 14 1962

SANITARY

Construction of the well was completed on: May 8 1962The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature

Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd

MAY 9 - 1962

No.

1254

Ans'd

Interpretation SAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ CODAHY Check one and give name
2. Location 6255 So. ILLINOIS AVE Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ ANTHANY F. IWASIAWICZ - CODAHY, WIS. Name of individual, partnership or firm
4. Mail Address SAME AS ABOVE CODAHY, WIS. Complete address required
IRON CLEARWATER
5. From well to nearest: Building 10 ft; sewer 25 ft; drain 12 ft; septic tank _____ ft; dry well or filter bed _____ ft; abandoned well _____ ft. NOT INSTALLED

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	177			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W ROUBHT	0	110
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

MADISON on APRIL 3 1961
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	107
POROUS LIMB	107	110
SOLID LIMB	110	177

RECEIVED

APR 11 1961

**SANITARY
ENGINEERING**
Construction of the well was completed on:

FEB. 17 1961

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawat 1731 W. PRANK AVE MIL. 21, WIS.
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd APR 4 - 1961 No. _____

Ans'd _____

Interpretation _____

SAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

AUG 19 1940

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

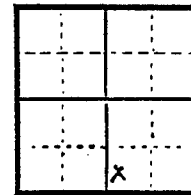
Owner Victor Butarski Driller Lehrke Bros.
Street or RFD 6126 So. Nicholson Post Office 845-So. 85th W. Allis
Post Office Cudahy Date Aug. 11, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee County Lake Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

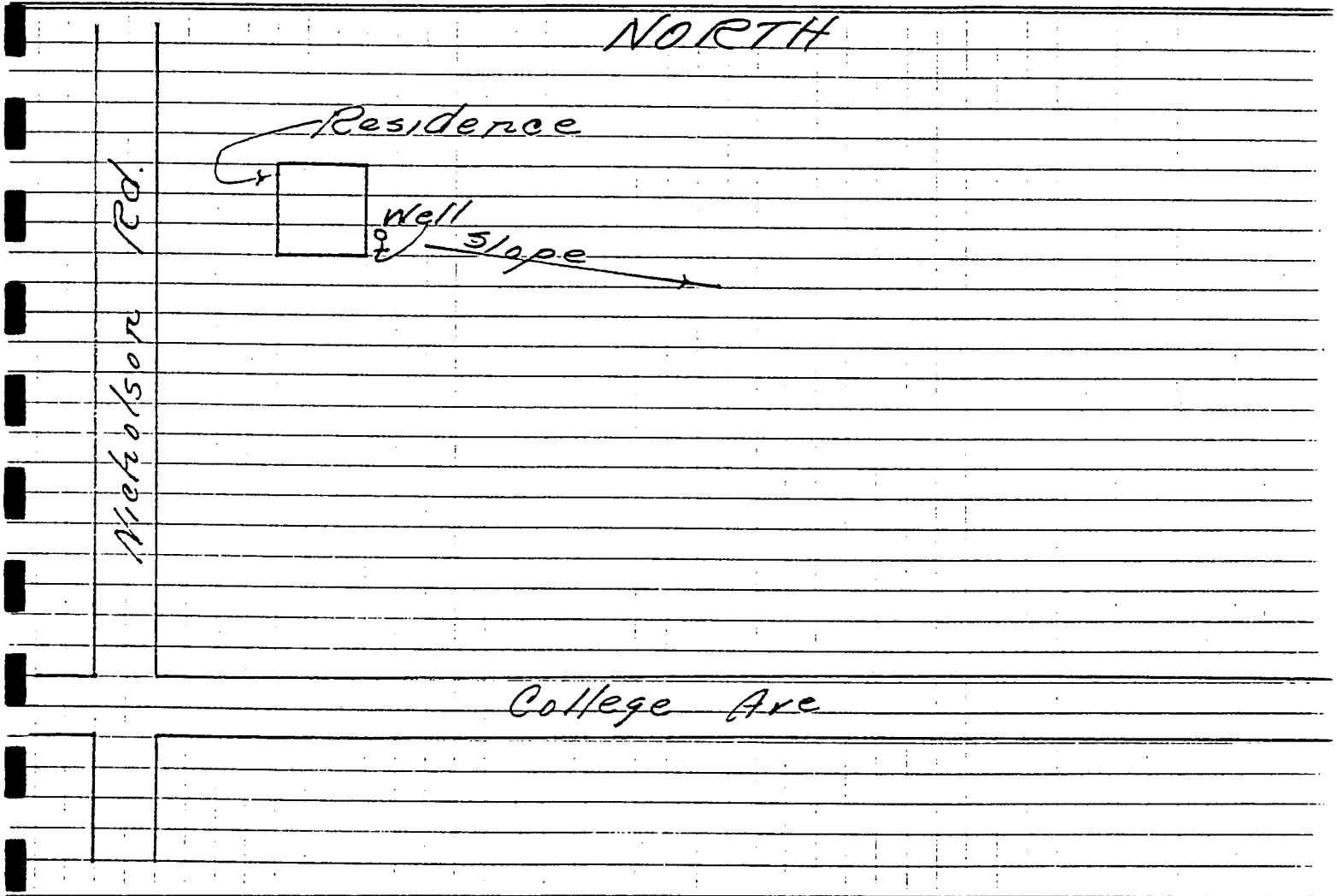
East Side of Nicholson Rd.
Describe further by subdivision, plat, district, lake, lot,
2 Blks. North of College Ave.
block, nearest principal highway, etc., whichever apply.



SWSE
Sec. 34 ☒
Twp. 6N
Range 22 ☒ E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers.
Special

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth

Red Clay - 8'

Duration of test
Hours 5

Pumping rate
G.P.M. 12

Depth of pump in
well. Ft. 80

Standing water-level
(from surface)
Ft. 55

Water-level when
pumping Ft. 63

Water. End of test.
Clear ☒

Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory
sample sent?

Kenosha
Date July 15-46

Was the well sealed
completion?
Yes ☒ No ☐

How high did you leave
casing-pipe above grade?
6"

Well was completed
Date July 15-46

Well Driller
Lehke, Ben
Signature

Forged Steel
Drive Shoe

Key:
= Casing pipe
= Drill hole
= Mud Grout

Inches	Diameter	Depth
2 3 4 5 6 8 10 12 14 16 18		
		8
		20
		25
		50
		75
		84
		100
		119
		120
		150
		200
		400
		800
		1200

Soft
Blue - 76'
Clay

Sand - 16'

Hard Pan - 19'

Limestone - 31'
(water bearing)

Draw the diagram to show the
right half only

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

AUG 24 1945

INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

1. County Milwaukee Town Wauwatosa Lake None

2. Location 6070 Nicholson Rd. SWNW Sec. 34 T6N R22E

3. Owner Eugene Bronecki Jr.

4. Address Rte. 1 Ex. 297A Cudahy Wis.

5. From well to nearest: Building 14 ft; sewer 14 ft; drain 14 ft; septic tank 40 ft;

dry well or filter bed None ft; abandoned well None ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
8	30	117

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel pipe	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	30

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red clay	16	16
Blue clay	92	108
Stony clay	9	117
Limestone	44	161

11. MISCELLANEOUS DATA: 10

Yield test: 8 Hrs. at 56 GPM. Construction of the well was completed on July 17 1945

Depth from surface to water: 60 ft. The well is terminated 6 inches (above) (below) the permanent grade.

Water-level when pumping: 60 ft. Was the well disinfected upon completion? Yes ☒ No ☐

Water sample sent to laboratory at Kenosha July 17 1945 Was the well sealed watertight upon completion? Yes ☒ No ☐

Signature W. L. Schube Co 845-2852
Registered Well Driller Wesley 14-Wis
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

JUL 5 - 1945

1. County Milwaukee Town Wauwatosa Lake None
2. Location 6078 So. Nicholson Rd. SW 1/4 Sec 34 T6N R22E
3. Owner or Agent C. C. Mearschaert I. Name of the County and the name of the owner of the well C. C. Mearschaert
4. Address 6078 So. Nicholson Rd. Milwaukee Wis.
5. From well to nearest: Building 14 ft; sewer 14 ft; drain 1 ft; septic tank 1 ft; dry well or filter bed 4 ft; abandoned well 4 ft.

6. Well is intended to supply water for: Residence

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6	40	160

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	119

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	40

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	12	12
Blue clay	64	76
Stony clay	34	110
Hard pan	9	119
Limestone	41	160

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 12 GPM.
Depth from surface to water: 54 ft.
Water-level when pumping: 54 ft.
Water sample sent to laboratory at Kenosha April 23 45
on 19

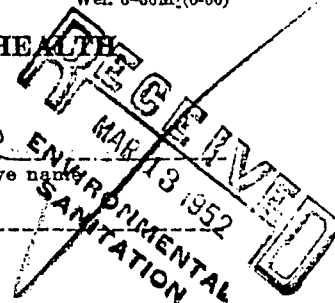
Construction of the well was completed on April 23 1945
The well is terminated 6 inches (above) (below) the permanent grade.
Was the well disinfected upon completion? Yes * No
Was the well sealed watertight upon completion? Yes * No

Signature W. L. Schike Registered Well Driller W. L. Schike Complete Mail Address 845 So. 85th St. West Allis 14 Wis.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NESE SW Sec 39 T6N R22E

See Instructions on Reverse Side



1. County milwaukee { Town ☒ Village ☐ City ☐ of Lake Check one and give name
2. Location 6101 So. Pennsylvania Rd.
Name of street and number of premise or Section Town and Range numbers
3. Owner ☒ or Agent ☐ James Williams
Name of individual, partnership or firm
4. Mail Address 6101 So. Pennsylvania Rd.
Complete address required
5. From well to nearest: Building 15 ft; sewer none ft; drain none ft; septic tank none ft;
dry well or filter bed none ft; abandoned well none ft.
6. Well is intended to supply water for: residence

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	175

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	stander weight well pipe	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
slurry clay	0	40

11. MISCELLANEOUS DATA:

Yield test: 15 Hrs. at 10 GPM.

Depth from surface to water-level: 54 ft.

Water-level when pumping: 62 ft.

Water sample was sent to the state laboratory at:

Madison City on March 11 1952

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay	100	100
clay (stoney)	20	120
limestone	55	175

Construction of the well was completed on:

March 7th 1952

The well is terminated 6" inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Robert J. Gatz
Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy
Check one and give name
2. Location 5930 S. Roberts Ave NWNESESEC 34 T6N R22E
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ J. Ferry
Name of individual, partnership or firm
4. Mail Address 5920 S. Roberts Ave Cudahy Wis.
Complete address required
5. From well to nearest: Building 18 ft; sewer 2 ft; drain 2 ft; septic tank 2 ft;
 dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: one - one family home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	128			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Standard Weight	0	108

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	25

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.Depth from surface to water-level: 61 ft.Water-level when pumping: 73 ft.

Water sample was sent to the state laboratory at:

Madison on July 8 1963
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Sandy Clay	0	55
Blue " "	55	90
Sand & Gravel	90	108
Lime stone	108	128

RECEIVED

JUL 15 1963

SANITARY
ENGINEERING

Construction of the well was completed on:

July 8 1963The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd

JUL 9 - 1963

No. 26383

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd

Gas—24 hrs.

Interpretation

SAFE—BACTERIOLOGICALLY

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Cudahy
 Village ☐
 City ☒ Check one and give name
2. Location 3031 East Ramsey Ave.
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ C. Stevens NENESE Sec 34 T6N R22E
 Name of individual, partnership or firm
4. Mail Address Same
 Complete address required
5. From well to nearest: Building 15 ft; sewer 25 ft; drain _____ ft; septic tank 50 ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: one-one family home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	2.5	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard Weight	0	118

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	118

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 51 ft.

Water-level when pumping: 65 ft.

Water sample was sent to the state laboratory at:

Madison on Nov 3 1958
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Sandy Clay	0	30
Shale	30	96
Blue Clay	96	118
Same Stone	118	155
RECEIVED		
NOV 14 1958		
ENVIRONMENTAL SANITATION		

Construction of the well was completed on:

Nov 3 1958

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature

Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd

Nov 10 1958

36062

Ans'd

Interpretation

SAFE

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

10 ml 10 ml 10 ml 10 ml 10 ml

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

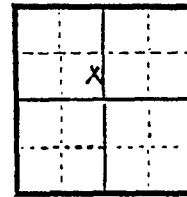
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Charles Gehle Driller Lehrke Bros
 Street or RFD RFD 1 Bx 297 Post Office 845 So 85th W. Allis
 Post Office Cudahy Date Jan 9, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
 County Town
On West Side of Nicholson
 Describe further by subdivision, plat, district, lake, lot,
1/4 mile So. of W. Grange.
 block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

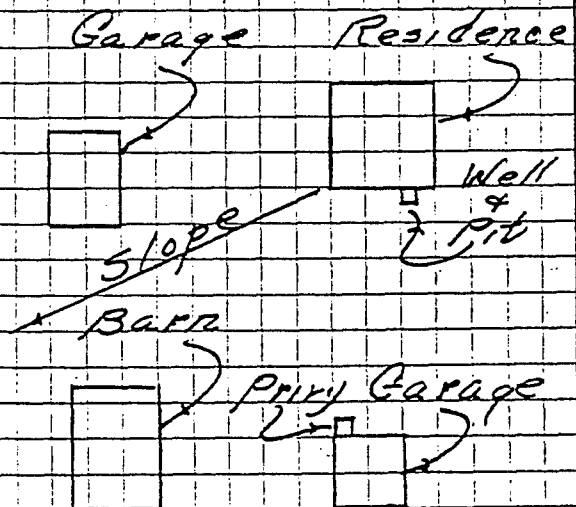


SE NW
 Sec. 34
 Twp. 6
 Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NORTH



WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM

Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Inches					Diameter					Depth
2	3	4	5	6	8	10	12	14	16	

Pt - 5.

Duration of test
Hours -----6-----

Red Clay - 8'

Pumping rate
G.P.M. -----

Soft
Blue - 49'
Clay

Depth of pump in well. Ft. 60

Standing water-level
(from surface)
Ft. 38

Story
Clay - 23'

Water-level when
pumping Ft. 49

Hard Pan - 17'

Water. End of test.
Clear

Limestone - 29
(waterbearing)

Cloudy -----
Turbid -----

Was the well sterilized?
Yes No

To which laboratory was sample sent?

Кероска
Date Dec. 26, 1951

Was the well sealed on completion?

Yes ☒ No ☐
Plugged.

How high did you leave the casing-pipe above grade?

8" above pit
floor

Well was completed
Date Dec. 26, 19

Well Driller
Lehke Bros
Signature

Std. Wt.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key;

Casing pipe

= Drill hole

= Mud Grout

Draw the diagram to show the right half only.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Franklin Town ☐ Village ☐ City ☒ South Mil
NWNNW Sec 34 T6NR22E Check one and give name

2. Location 1667 East College So Mil
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Joseph Hashmeister
 Name of individual, partnership or firm

4. Mail Address 1667 East College So Mil
 Complete address required

5. From well to nearest: Building 10 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Stand steel	0	114
	pipe		

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at:

Madison on Oct 23 1959
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow clay	15	16
blue clay	74	90
sandy clay	20	110
hard pan	4	114
lime stone	31	145

RECEIVED

OCT 30 1959

ENVIRONMENTAL

Construction of the well was completed on:

Oct 21 1959

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature Lesimer Ludowski 7570 So Howell So Mil
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd OCT 24 1959 No. 37991

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Lake ☐ Check one and give name

2. Location N.W. 1/4 of 3.W. 1/4 of Section 35 T-6-N R-22-W Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Oliver Neset Name of individual, partnership or firm

4. Mail Address E. Ramsey Ave. & So. Barland Ave. Cudahy Wis. Complete address required

5. From well to nearest: Building Building not under construction yet. ft; sewer ft; drain ft; septic tank ft; dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Private Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	136			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Pipe	0	113

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill Cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 67 ft.

Water sample was sent to the state laboratory at:

Kenosha on 3/9/50 1950
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Stony Clay	0	50
Sandy Clay	50	90
Hard Pan	90	109
Lime Rock	109	136

Construction of the well was completed on:

3/9/50 1950

The well is terminated 15 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☐ No ☐

Was the well sealed watertight upon completion?

Yes ☐ No ☐

Signature Myron Acker & Sons
Registered Well Driller

Hales Corners Wis.
Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ Lake ☐ City ☐ Check one and give name
2. Location SWNW NW Sec 35 T6N R22E
5636 South Barland Avenue, Milwaukee, Wisconsin
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Joe Hoven
 Name of individual, partnership or firm
4. Mail Address 1505 South Second Street, Milwaukee 4, Wisconsin
 Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: _____ Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	132			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	45

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.Depth from surface to water-level: 85 ft.Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at:

Kenosha on May 12 1950
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	2
Blue clay	100	102
Sand	26	128
Gravel	4	132

Construction of the well was completed on:

May 12 1950The well is terminated 8 inches☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No

Was the well sealed watertight upon completion?

Yes ☒ No
 Signature Casimir Szydlowski
Casimir Szydlowski
 Registered Well Driller

2502-A South Fourth St., Milwaukee 7, Wis.

Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SWNNWNW Sec 35 T6N R22E See Instructions on Reverse Side

1. County MILWAUKEE { Town ☒ Village ☐ City ☐ Of Lake Check one and give name
2. Location 5544 So. Barland Ave
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ HERBERT NELSON
Name of individual, partnership or firm
4. Mail Address 2215 Ille Ave. New Holstein Wis.
Complete address required
5. From well to nearest: Building 15 ft; sewer 15 ft; drain 15 ft; septic tank 50 ft;
dry well or filter bed 65 ft; abandoned well ft.
6. Well is intended to supply water for: HOME

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10"	0	30			
7"	0	204			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
7"	Steel	0	150

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	30

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.Depth from surface to water-level: 75 ft.Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at:

Madison on June 2 1952
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	100
sand & gravel	100	150
lime stone	150	204

Construction of the well was completed on:

Dec 31 1951The well is terminated 6 inches☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Walter F. Becker, 7945 W. Coldspring Rd. West Allis 14, W.

Registered Well Driller

Complete Mail Address

Please do not write in space below

Rec'd JAN 4 1952 No. 99Ans'd BoyerInterpretation Boyer

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	○	○	○	○	○
48 hrs.	○	○	○	○	○
Confirm					
B. Coli	○	○	○	○	○

Examiner

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

OCT 1 1980
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY MILWAUKEE		CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		NAME DAK CREEK	
2. LOCATION - 1/4 Section Township Range NE SE SE 33 5N 22E			3. OWNER AT TIME OF DRILLING ROBERT BROCKWAY		
OR - Grid or street no. 10924		Street name So. RICHARD RD.		ADDRESS 10924 So. RICHARD RD	
AND - If available subdivision name, lot & block no.			POST OFFICE DAK CREEK, WIS. 53154		
4. Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING 15	SANITARY SEWER C. I. 40 TILE	FLOOR DRAIN C. I. 35 TILE	FOUNDATION DRAIN SEWER CONNECTED 15 INDEPENDENT
CLEAR WATER DRAIN C. I. 80 TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD 100	BARN 100
				SILO	ABANDONED WELL
				SINK HOLE	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for:
RESIDENCE

6. DRILLHOLE						9. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	30				RED CLAY	Surface	17	
6	30	197				STONY BLUE CLAY	17	37	
7. CASING, LINER, CURBING, AND SCREEN									
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)					
6	BLK. SMLS. T&C		Surface	157		SAND & STONES	37	46	
	W R&D COUPLINGS					BLUE CLAY	46	145	
NEW	INTER STATE LAKE					PORUS LIMB	145	157	
	19.45" ASTM A 53					SOLID LIMB	157	197	

8. GROUT OR OTHER SEALING MATERIAL			10. TYPE OF DRILLING MACHINE USED		
Kind	From (ft.)	To (ft.)	<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary
CLAY & ROCK SLURRY	Surface	30	<input type="checkbox"/> Rotary - air w/drilling mud	<input type="checkbox"/> Rotary - hammer with drilling mud & air	<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water

11. MISCELLANEOUS DATA				Well construction completed on SEPT. 25 1980	
Yield test: 10	Hrs. at 10	GPM	Well is terminated 10 inches	<input checked="" type="checkbox"/> above	<input type="checkbox"/> below final ground
Depth from surface to normal water level 23 ft.			Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Depth to water level when pumping 30 ft.			Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Water sample sent to **MADISON** laboratory on: **SEPT. 28 1980**

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Leo J. Blawatz	COMPLETE MAIL ADDRESS 1731 W. GRANGE AVE - MILWAUKEE, WIS. 53222
Registered Well Driller	

Please do not write in space below	
COLIFORM TEST RESULT	GAS - 24 HRS. GAS - 48 HRS. CONFIRMED REMARKS

DEC 23 1980

COUNTY <u>milwaukee</u>		CHECK (✓) ONE: <input checked="" type="checkbox"/> Town <input type="checkbox"/> Village <input type="checkbox"/> City		Name <u>Cash Creek</u>									
LOCATION <u>NE, SE</u> Section <u>33</u> Township <u>5N</u> Range <u>22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE											
OR - Grid or Street No. <u>10935</u> Street Name <u>Nicholson Rd</u>		ADDRESS <u>10935 Nicholson Rd</u>											
AND - If available subdivision name, lot & block No.		POST OFFICE <u>milwaukee</u>											
Distance in feet from well to nearest: (Record answer in appropriate block) <u>11</u>		Building		Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
		C.I. Other		C.I. Other		C.I. Sewer Other Sewer		C.I. Other		C.I. Other		C.I. Other	
Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump		Septic Tank		Holding Tank	
San. Storm C.I. Other		Sewer Clearwater Dr.		Sewage Sump Clearwater Sump		C.I. Other							
Privy		Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter		Animal Barn Pen		Animal Yard	
				Well Pump Tank		Nonconforming Existing						Silo With Pit	
												Glass Lined Storage Facility	
												Silo w/o Pit	
												Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)			
5. Well is intended to supply water for: <u>Resident</u>													
9. FORMATIONS													
Kind From (ft.) To (ft.)													
<u>Top Soil</u> Surface 3													
<u>yellow</u> 3 30													
<u>Gravel</u> 30 55													
<u>stone clay</u> 55 80													
<u>blue clay</u> 80 130													
<u>stone clay</u> 130 155													
<u>lime rock</u> 155 158													
10. TYPE OF DRILLING MACHINE USED													
<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with													
<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air													
<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water													
8. GROUT OR OTHER SEALING MATERIAL													
Kind From (ft.) To (ft.)													
<u>Drilling mud</u> Surface 20													
11. MISCELLANEOUS DATA													
Yield Test: <u>12</u> Hrs. at <u>10</u> GPM													
Well is terminated <u>20</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below													
Depth from surface to normal water level <u>30</u> Ft. Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
Depth of water level when pumping <u>30</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
Water sample sent to <u>State Lab</u> laboratory on <u>Nov 3</u> 19 <u>80</u>													
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.													
Signature <u>Russ Kruger</u> Complete Mail Address <u>10404 Hunt Rd Franksville</u>													
Registered Well Driller <u>53126</u>													

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 12-76

27 1984 OCT 18 1984

1. COUNTY Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek	
2. LOCATION OR - Grid or Street No. 1635 AND - If available subdivision name, lot & block No.		Township 5N Range 22E		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ON James Taylor	
4. Distance in feet from well to nearest: (Record answer in appropriate block) 15		Building 15		Sanitary Bldg. Drain C.I. 30 Other	
San. Street Sewer		Other Sewers		Foundation Drain Connected to:	
San. Storm		C.I. Other		Sewage Sump	
Clearwater Dr.		Clearwater Sump		Clearwater Sump	
Septic Tank		Holding Tank		Sewage Absorption Unit	
Seepage Pit		Seepage Bed		Seepage Trench	
Privy		Pet Waste Pit		Pit: Nonconforming Existing	
Well		Pump		Tank	
Subsurface Pumproom		Nonconforming Existing		Barn Gutter	
Animal Barn Pen		Animal Yard		Silo With Pit	
Glass Lined Storage Facility		Silo w/o Pit		Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure	
Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)	
5. Well is intended to supply water for: private house		9. FORMATIONS			
6. DRILLHOLE		Dia. (in.)		From (ft.) To (ft.)	
10		Surface		20 201	
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification & Method of Assembly		From (ft.) To (ft.)	
6		New, steel		Surface 138	
threaded & coupl		ASTM A53		Union	
8. GROUT OR OTHER SEALING MATERIAL		Kind		From (ft.) To (ft.)	
Drill cuttings-mud		Surface		20	
11. MISCELLANEOUS DATA		Yield Test: 24		Hrs. at 9 GPM	
Depth from surface to normal water level 15 Ft.		Depth of water level when pumping 90 Ft.		Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to Oak Creek laboratory on 9-5 19 84		Well construction completed on 7-27 19 84		Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below	
Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. TYPE OF DRILLING MACHINE USED	
<input checked="" type="checkbox"/> Cable Tool		<input type="checkbox"/> Rotary-hammer w/drilling mud & air		<input type="checkbox"/> Jetting with	
<input type="checkbox"/> Rotary-air w/drilling mud		<input type="checkbox"/> Rotary-hammer & air		<input type="checkbox"/> Air	
<input type="checkbox"/> Rotary-w/drilling mud		<input type="checkbox"/> Reverse Rotary		<input type="checkbox"/> Water	
Signature <i>Donald Taylor</i>		Complete Mail Address 9112 So. 13th. St. Oak Creek			
Registered Well Driller					

WELL LOGS FOR THE REMAINING 136 WELLS
IN THE IMMEDIATE AREA OF THE BASE.

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WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

ALL INFORMATION ON THIS FORM MUST BE GIVEN IN DETAIL TO THE BOARD OF HEALTH

1. County Milwaukee Town ☒ Oak Creek
 Village ☐
 City ☐ Check one and give name

2. Location E 1/2-N.E. Fraction, 1/4 Section 4-5-22 Town of Oak Creek

3. Owner ☐ or Agent ☐ Ray Van Beck
 Name of individual, partnership or firm

4. Mail Address 300 Layton Avenue, Milwaukee, Wisconsin
 Complete address required

5. From well to nearest: Building 15 ft; sewer None ft; drain 12 ft; water tank 12 ft;

dry well or filter bed 5 ft; abandoned well 5 ft.

6. Well is intended to supply water for: General Use

7. DRILLHOLE:
 Dia. (in.) From (ft.) To (ft.)

10	0	284

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
10		0	87

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	40

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 50 GPM.

Depth from surface to water: 4-1/2 ft.

Water-level when pumping: 14-1/2 ft.

Water sample sent to laboratory at

Steph1-Laboratory on June 9, 19 54

Construction of the well was completed on June 9th, 19 54

The well is terminated 15 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

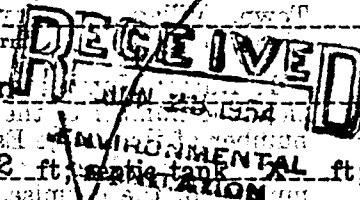
Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature EGERER-GALLOWAY WELL CORP.
 Registered Well Driller

1012 N. Third St., Milwaukee 3, Wis.
 Complete Mail Address


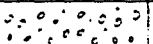
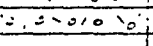
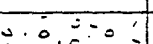
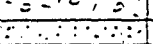
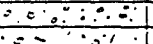
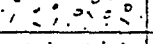
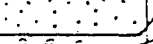
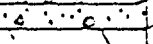
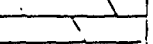
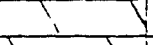
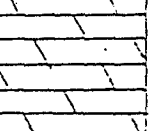
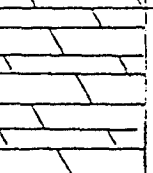
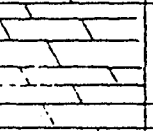
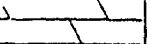

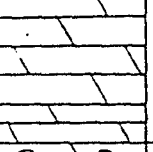
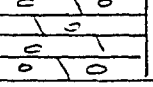


RAY VAN BECK WELL, MILWAUKEE COUNTY, WIS.

E₂ NE₄ sec. 4, T. 5 N., R. 22 E.

Egerer-Galloway well corporation, Contractors, 1954

Samples examined by F. T. Thwaites, Wisconsin Geological Survey
Nos. 166767-166820

D R I F T	0-25	25		Till, light gray, dolomitic	4 1/2" water 10" pipe 87
	25-35	10		Gravel, stony	
	35-40	5		Till, light gray, dolomitic	
	40-45	5		No sample	
	45-55	10		Till, light gray, dolomitic	
	55-60	5		Sand, very fine to fine, light gray, dol.	
	60-65	5		Gravel, fine, much silt, light gray	
	65-75	10		Till, light gray, dolomitic	
	75-85	10		Sand, fine to medium, silty, lt. gray, dol.	
	85-90	5		Gravel, stony, little sand (broken rock)	
95	90-95	5		Sand, coarse to medium, mixed with dolomite	10" hole
N I A G A R A	95-110	15		Dolomite, very light and medium gray	
	110-140	30		Dolomite, light gray	
	140-175	35		Dolomite, very light gray to medium gray	
	175-195	20		Dolomite, light gray to very light gray	
	195-200	5		Dolomite, dark gray, light gray	
	200-220	20		Dolomite, very light to light gray	
	220-265	45		Dolomite, very light gray	
	265-284	19		Dolomite, light gray; chert, white	
189					

Top of bed rock broken and mixed with drift
Tested at 150 g.p.m. specific capacity = 5 g.p.m./ft.

WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18
Depth

Duration of test

Hours 8 hr.

Pumping rate

G.P.M. 350

Depth of pump in

well Ft. 255

Standing water-level
(from surface)

Ft. 125

Water-level when

pumping Ft. 240

Water. End of test.

Clear ☒

Cloudy ☐

Turbid ☐

Was the well sterilized?

Yes ☒ No ☐

To which laboratory was sample sent?

State Laboratory

Date

1/27/41

Was the well sealed or completion?

Yes ☒ No ☐

How high did you leave the casing-pipe above grade?

One ft.

Well was completed

Date 1/27/41

Well Driller

Jos. G. [Signature]
Signature

12" DRIVE PIPE

144'

12" STEEL DRIVE PIPE

10" SHOE PIPE

144' HOLE

12" DRILL HOLE

700'

675' 10" DRILL HOLE

202' 8" DRILL HOLE

1577 FEET

Draw the diagram to show the right half only

Copy mailed to Steffen

ML 87
FEB -1 1941

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ladish Drop Forge Co. Driller Jos. Egerer
Street or RFD 5405 S. Packard Ave. Post Office 1012 N. 3rd St. Milwaukee Wis
Post Office Cudahy, Wis. Date Jan. 31/41 Permit No. 21

LOCATION OF PREMISES
Town of Lake
City of Cudahy Wis
Town

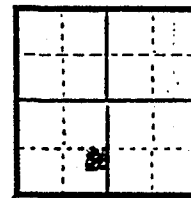
Milwaukee
County

5405 S. Packard Ave.

Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. No. 26
Twp. No. 6N
Range 22 { E
 W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Copy mailed to Steffen

LADISH DROP FORGE CO. WELL, CUDAHY, WIS.

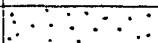
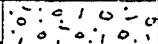
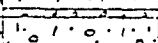
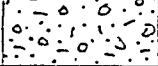
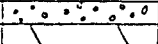
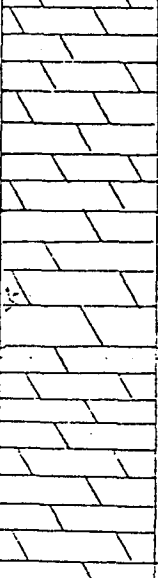
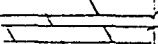
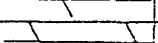
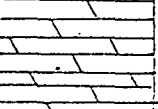
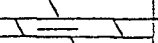

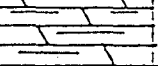
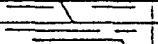
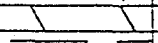
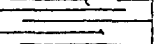
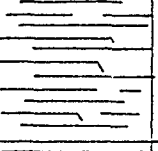
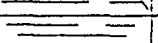

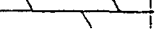
5405 Packard Ave.

Jos. Egerer, Contractor, 1940-41

Samples examined by F. T. Thwaites, Nos. 109313-109366

NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26, T.6N, R.22E

715' ETM

	0-50	50		No samples	
	50-70	20		Sand, coarse, gray, much silt	12" pipe
	70-90	20		Till, gray, dolomitic	
	90-93	3		Gravel, coarse, stony	
	93-130	37		Till, pink, dolomitic	
140	130-140	10		Gravel, fine, stony	125 water
	140-390	250		Dolomite, light gray	144 shoe
	390-395	5		Dolomite, pink and light gray	
	395-410	15		Dolomite, light gray	
	410-460	50		Dolomite, pink and gray	
	460-470	10		Dolomite, gray	
370	470-510	40		Dolomite, light gray; shale, pink	
	510-540	30		Dolomite, gray, light gray; shale, pink	513
	540-550	10		Dolomite, blue-gray; shale, blue-gray, dol.	
	550-560	10		Shale, blue-gray, dolomitic	
	560-570	10		Dolomite, gray	
	570-650	80		Shale, blue-gray, dolomitic	10" pipe
	650-660	10		Shale, brown-gray, dolomitic	
	660-720	60		Shale, blue-gray, dolomitic	
210	720-800	80		Dolomite, light gray	700

G A L E N A P L A T T E V I L L E				
	800-810	10		Dolomite, light gray, some blue-gray
	810-870	60		Dolomite, light gray
	870-910	40		Dolomite, blue-gray, blue spots
	910-980	70		Dolomite, light gray
290	980-990	10		Dolomite, lt. gy, white, very sandy
	990-1002	12		Dolomite, light gray and white
	1002-1010	8		Sandstone, coarse to fine, gy, dol; sh, green
	1010-1030	20		Sandstone, fine to medium, white
	1030-1040	10		Sandstone, fine to medium, gray, dolomitic
S T P E T E R	1040-1120	80		Sandstone, medium to fine, light gray
	1120-1140	20		Sandstone, fine to silty, light gray
	1140-1220	80		Sandstone, medium to fine, light gray
	1220-1250	30		Sandstone, fine to medium, light gray, dolomitic
	1250-1260	10		Sandstone, very fine, pink, dol., glauconitic
E A U C L A I R E	1260-1270	10		Shale, dark red, dolomitic
	1270-1290	20		Sandstone, medium to fine, pink, dolomitic
	1290-1300	10		Sandstone, very fine, pink, dolomitic
	1300-1320	20		Sandstone, fine to medium, pink, dolomitic
	1320-1350	30		Sandstone, very fine, dark pink, dol., glauc.
230	1350-1360	10		Sandstone, fine to medium, pink, dol., glauc.
	1360-1380	20		Sandstone, very fine, pink, dolomitic
	1380-1400	20		Sandstone, medium to fine, light pink, dol.
	1400-1420	20		Sandstone, fine to medium, light pink
	1420-1450	30		Sandstone, fine to medium, pink, dolomitic
S T S I M O N	1450-1460	10		No sample
	1460-1470	10		Sandstone, medium to fine, light gray
	1470-1480	10		Sandstone, coarse to fine, light gray
	1480-1490	10		Sandstone, fine to medium, light gray
	1490-1520	30		Sandstone, medium to fine, light gray
127	1520-1540	20		Sandstone, coarse to fine, light gray
	1540-1550	10		Sandstone, fine to medium, light gray
	1550-1560	10		Sandstone, coarse to fine, light gray
	1560-1577	17		Sandstone, fine to medium, light gray

10" hole

1375

8" hole

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

FEB 24 1945

1413th AV - then Town of South Milwaukee S¹/₂ SW Sec 2, T5N R22E, filed in both places

1. County MILWAUKEE Town OAK CREEK
Village ST. ?
City ST. ?
2. Location N. E. CORNER OF SO. 13TH & W. RAYSON A
3. Owner or Agent ARTHUR GUTKNECHT
4. Address ST. D. RTE. 2 BA1119 SO. MILWAUKEE
5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank — ft;
dry well or filter bed — ft; abandoned well — ft.
6. Well is intended to supply water for: —

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
<u>16</u>	<u>0</u>	<u>33</u>
<u>6</u>	<u>33</u>	<u>120</u>

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
<u>6</u>	<u>STEEL</u>	<u>0</u>	<u>85</u>

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>MUD</u>	<u>0</u>	<u>33</u>

10. FORMATIONS:

Kind	Thick-ness (ft.)	Total Depth (ft.)
<u>BORED HOLE</u>	<u>33</u>	<u>33</u>
<u>BLUE CLAY</u>	<u>47</u>	<u>80</u>
<u>HARD PAN</u>	<u>2</u>	<u>82</u>
<u>LIMESTONE</u>	<u>38</u>	<u>120</u>

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 36 ft.

Water-level when pumping: 37 ft.

Water sample sent to laboratory at

KENOSHA on DEC 10 1944

Signature

W. E. Clarke
Registered Well Driller

Construction of the well was completed on

DEC. 10 1944

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?

Yes ✓ No —

Was the well sealed watertight upon completion?

Yes ✓ No —

845 So 85TH

Complete Mail Address

W. ALLIS 14, WIS.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. County MILWAUKEE {Town ☐
Village ☐
City ☒ S. MILWAUKEE
Check one and give name

2. Location 200 15TH AVE NW/NNW Sec 2 T5N R22E
Name of street and number of premises or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ STEVE J. HANLEY
Name of individual, partnership or firm

4. Mail Address SAME AS ABOVE
Complete address required

5. From well to nearest: Building 6 ft; sewer NONE ft; drain NONE ft; septic tank NONE ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	182			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	128

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY GALLERY	0	21

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 57 ft.

Water sample was sent to the state laboratory at:

MADISON on MARCH 16 1954
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	16
BLUE CLAY	16	25
SAND	25	60
BLUE CLAY	60	125
PARUS LIME	125	128
SOLID LIME	128	182

Construction of the well was completed on:

MARCH 16 1954

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawie
Registered Well Driller

5561 So. 6TH ST. MIL. 7, WIS.
Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

[Sec 3 T5N R22E]

1. County Milwaukee Town ☒ Lake
 Village ☐
 City ☐ Check one and give name
2. Location Nicholson av. 1/2 mile north of Dawson
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Charles G. Glover
 Name of individual, partnership or firm
4. Mail Address P.O. Box 380 South Milwaukee
 Complete address required
5. From well to nearest: Building 6 ft; sewer — ft; drain — ft; septic tank — ft;
 dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	21			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Steel	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
clay	0	21

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 7 GPM.Depth from surface to water-level: 47 ft.Water-level when pumping: 48 ft.

Water sample was sent to the state laboratory at:

Kenosha on 4-30 1953
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	8.7	100
Sand	3	103
Gravel	12	115

Construction of the well was completed on:

4-30 1953The well is terminated 6 inches☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

John Bur & Co. 8620 N. National Dr. West Allis 14 Wis.

Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd 5-A-53No. 6434Ans'd 5-6-53

Interpretation

Safe

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. 0 0 0 0 048 hrs. 0 0 0 0 0

Confirm

B. Coli

Examiner

J.E.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

52Sec 3 T 5 NR 22 E

See Instructions on Reverse Side

1. County milw Town ☐ Village ☐ City ☒ Oak Creek Check one and give name
2. Location Cor. W. Cedar St. + So 24th New Sub. no Address
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ John Simonson
Name of individual, partnership or firm
4. Mail Address Same
Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	80	6	80	260

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel	0	169

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 90 ft.

Water-level when pumping: 95 ft.

Water sample was sent to the state laboratory at:

Madison on _____ 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	115
Hard Stiff Clay	115	160
Hard Pan	160	169
Limestone	169	260

RECEIVED

AUG 8 1951

SANITARY
ENGINEERING

Construction of the well was completed on:

9/13/60 19____

The well is terminated 1 ft inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature L. L. May Registered Well Driller Complete Mail Address _____
Please do not write in space below

Rec'd _____ No _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT

WISCONSIN STATE BOARD OF HEALTH

Well

COUNTY MILWAUKEE		CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		NAME OAK CREEK	
LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.) 1610 E. Rawson Ave OAK CREEK, WIS. 53154					
OWNER AT TIME OF DRILLING ALVIN JOE ARES [SWSWSW SEC 3T 5NR22E]					
OWNER'S COMPLETE MAIL ADDRESS 2209 E. COLLEGE AVE OAK CREEK, WIS. - 53154					
5. Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING	SANITARY SEWER	FLOOR DRAIN	FOUNDATION DRAIN
		C.I.	TILE	C.I.	TILE
		5	15	60	None
		SEWER CONNECTED		INDEPENDENT	
		<input type="checkbox"/>		<input type="checkbox"/>	
CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN
C.I.	TILE				
	50			75	
WASTE WATER DRAIN C.I. TILE					
RECEIVED JAN 31 1966					
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)					

SANITARY
ENGINEERINGWell is intended to supply water for: **TOP SOIL CO. GARAGE & OFFICE**

7. DRILLHOLE						10. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	11				RED CLAY	Surface	11	
6	11	128				SAND & STONES	11	55	
8. CASING, LINER, CURBING, AND SCREEN						9. FORMATIONS			
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)		Kind	From (ft.)	To (ft.)	
6	WROUGHT IRON PIPE		Surface	60		POROUS LIME	55	60	
						SOLID LIME	60	128	
9. GROUT OR OTHER SEALING MATERIAL									
Kind			From (ft.)	To (ft.)					
CLAY SLURRY			Surface	11					

11. MISCELLANEOUS DATA				Well construction completed on OCT. 12 1965	
Field test:	10	Hrs. at	15	GPM	Well is terminated 12 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below
Depth from surface to normal water level 25 ft.				Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth to water level when pumping 52 ft.				Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to MADISON				laboratory on: JAN. 26 1966	

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Leo J. Blawat	COMPLETE MAIL ADDRESS 1731 W. GRANGE AVE MIL. 21, WIS
Registered Well Driller	

Please do not write in space below

CALIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
3ESWSW Sec 3 T 5 N R 22 E S See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ Oak Creek
 Check one and give name

2. Location 1828 - E. Dawson Ave.
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Fred Freinbe
 Name of individual, partnership or firm

4. Mail Address Same
 Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>0</u>	<u>60</u>	<u>6</u>	<u>60</u>	<u>228</u>

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6"</u>	<u>Std</u>	<u>0</u>	<u>102</u>

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>Mud</u>		

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at:

Madison on _____ 19____
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>Clay</u>	<u>0</u>	<u>90</u>
<u>Hard Portland</u>	<u>90</u>	<u>102</u>
<u>Limestone</u>	<u>102</u>	<u>228</u>

RECEIVED

AUG 8 1961

**SANITARY
ENGINEERING**

Construction of the well was completed on:

9/26/60 19____

The well is terminated 1 ft inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature L L May
 Registered Well Driller

Complete Mail Address _____

Rec'd _____ No _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

JAN 29 1941 ✓

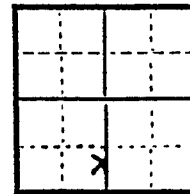
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner W. F. Kronenberg Driller Lehke Bros.
Street or RFD Nicholson & Rawson Post Office 845-50.85th W. Allis
Post Office So. Milwaukee Date Jan. 14, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee County Oak Creek Town
2 Blks. No. of CTH BB
Describe further by subdivision, plat, district, lake, lot,
on West Side of the
block, nearest principal highway, etc., whichever apply.
Nicholson Rd.

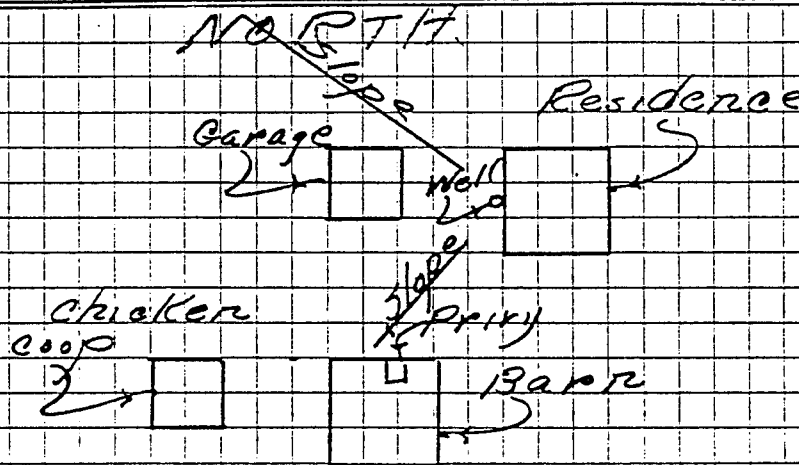
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SESW
Sec. No. 3
Twp. No. 5
Range 22 { E
 { W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



CTH BB

WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers.
Special

Forged Steel
Drive Shoe

Key;

| = Casing pipe

| = Drillhole

||||| = Mud Grout

Inches Diameter		Depth
2 3 4 5 6 8 10 12 14 16 18		
		8
		16
		25
		35
		50
		66
		75
		88
		89
		100
		150
		189
		200
		400
		800
		1200

Draw the diagram to show the right half only

Red clay - 8'

Gravel + sand - 27'

Blue clay - 31'

Stony Blue clay - 22'

Limestone - 101' (waterbearing)

Duration of test
Hours 10

Pumping rate
G.P.M. 11

Depth of pump in well. Ft. 100

Standing water-level (from surface)
Ft. 45

Water-level when pumping Ft. 67

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory sample sent?

Keroska
Date Dec. 5-40

Was the well sealed or completion?
Yes ☒ No ☐

How high did you leave casing-pipe above grade?
6"

Well was completed 1
Date Dec. 5-40

Well Driller
Shike Bios
Signature g.

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

T5N R22E E1/4 NESW Sec 3

See Instructions on Reverse Side

SOUTH MILWAUKEE?

1. County Waukesha Town ☐ Village ☐ City ☐ Oak Creek
Check one and give name

2. Location 1001 South Pennsylvania
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Frank Grabowski
Name of individual, partnership or firm

4. Mail Address 1205 Monroe Ave South Milwaukee
Complete address required

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	131			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	100

9. GROUT:

Kind	From (ft.)	To (ft.)
Truss cutting	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 43 ft.

Water-level when pumping: 43 ft.

Water sample was sent to the state laboratory at:

Madison on Dec 20 1956
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	15	17
blue clay	28	45
sand & gravel	20	66
clay	20	85
sand	10	95
hard pan	5	100
lime stone	31	131

Construction of the well was completed on:

Dec 19 1956

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature F. Grabowski
Registered Well Driller

7570 So Howell Mil 70th
Complete Mail Address

Please do not write in space below

Rec'd DEC 21 1956 No 44816

Ans'd

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

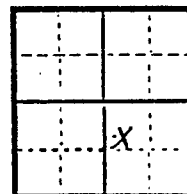
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ervin Katz Driller Lehrke Bros.
Street or RFD Nicholson Rd. Post Office 845 So. 85 St. West Allis
Post Office So. Milwaukee Date July 2 - 1941 Permit No. 44

LOCATION OF PREMISES

Milwaukee County Oak Creek Town
SOUTH MILWAUKEE

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

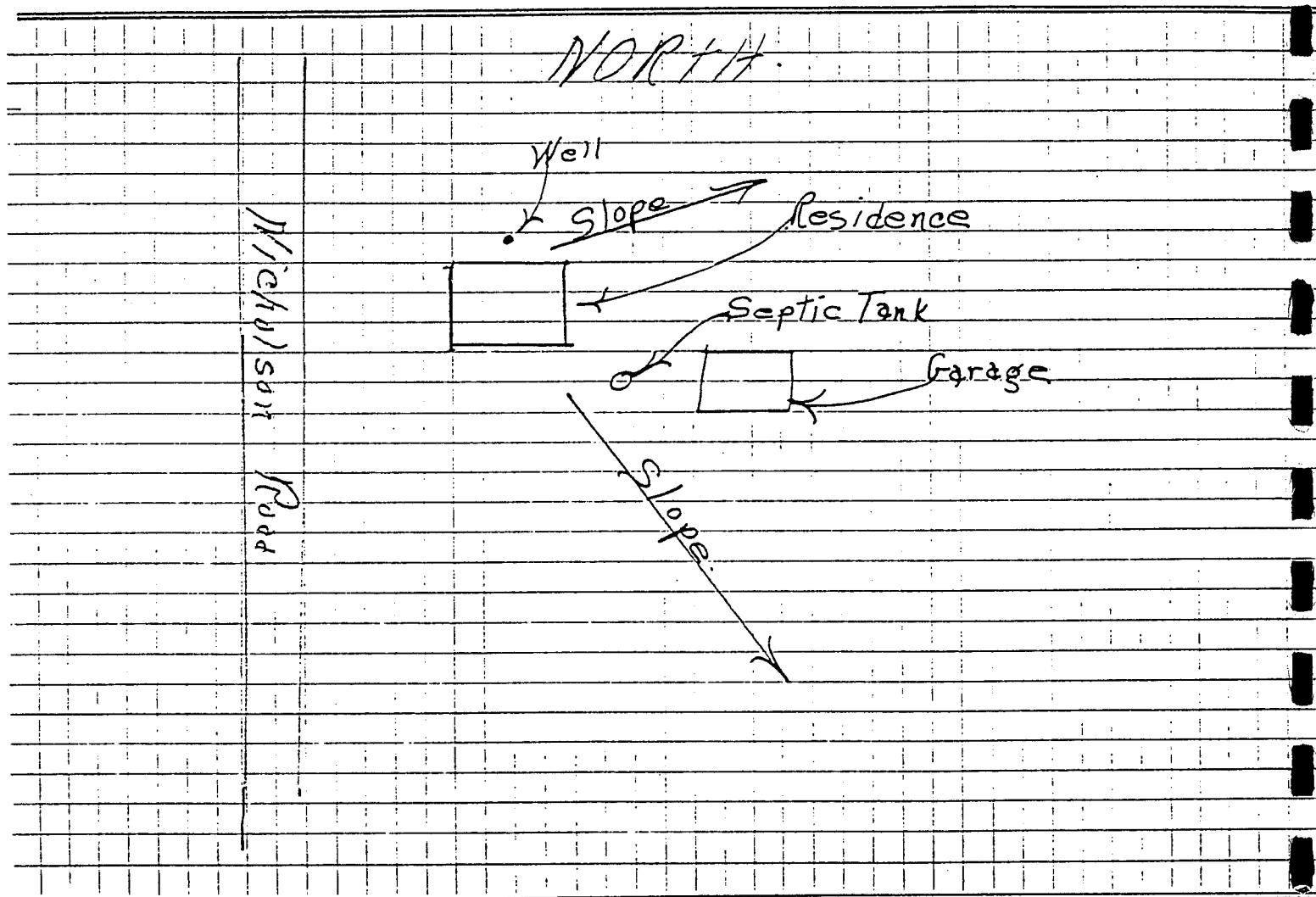


Sec. No. 3
Twp. No. 5
Range 22

Describe further by subdivision, plat, district, lake, lot,
block, nearest principal highway, etc., whichever apply.

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. WT.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key;
= Casing Pipe
= Drillhole
= Mud Grout

Inches Diameter														Depth
2	3	4	5	6	8	10	12	14	16	18				
														25
														45
														50
														75
														80
														100
														105
														107
														150
														154
														200
														400
														800
														1200

Draw the diagram to show the right half only

Clay 45'

Sand - 5'

Clay 30'

Stony Clay 25'

Rock-Lime 49'
Waterbearing

Duration of test
Hours 4

Pumping rate
G.P.M. 12

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 53

Water-level when pumping Ft. 56

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was sample sent?
Kenosha
Date 6-1-41

Was the well sealed at completion?
Yes ☒ No ☐

How high did you leave the casing-pipe above grade?
10'

Well was completed
Date 6-1-41

Well Driller
Lehko Bue
Signature 92.

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WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

N 1/2 Sec 3 T 5 N R 22 E

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Oak Creek
 Village ☐
 City ☐ Check one and give name
2. Location Lot line between 303 and 305 Nicholson ave
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Arnd L. Schultzy and H.R. Wright
 Name of individual, partnership or firm
4. Mail Address 303 W Nicholson ave South Milwaukee Wis
 Complete address required
5. From well to nearest: Building 30 ft; sewer 80 ft; drain 4.5 ft; septic tank 70 ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

OCT 27 1955

ENVIRONMENTAL
SANITATION

6. Well is intended to supply water for: Two Homes

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
7	45	166			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Black steel 38 lb 8 in 8 in 130		130

9. GROUT:

Kind	From (ft.)	To (ft.)
Buddled Clay	0	45

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 12 GPM.
 Depth from surface to water-level: 65 ft.
 Water-level when pumping: 75 ft.
 Water sample was sent to the state laboratory at:
Madison on Oct 19 1955
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	6	32
Blue clay	32	45
Sand and clay	45	78
Blue Clay	78	110
Hard Pan	110	133
Water Bearing Limestone	133	166

Construction of the well was completed on:

Oct 16 1955

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature Dale Huebner 6830 W Forest Home ave mil. Wis
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd OCT 20 1955 No. 36233

Ans'd _____

Interpretation SAFE

Gas—24 hrs. _____
 48 hrs. 0
 Confirm _____
 B. Coli 0
 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wet 6

SE NW Sec. 3 T5N R22E

See Instructions on Reverse Side

1. County mil. (Town ☒ Village ☐ City ☐ Oak Creek Check one and give name
2. Location 664 Pennsylvania ave Oak Creek, Wis
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Benkowskie Builders APR 19 1963
Name of individual, partnership or firm
4. Mail Address 1310 mil ave So. mil SANITARY
Complete address required ENGINEERING
5. From well to nearest: Building 15 ft; sewer 50 ft; drain 50 ft; septic tank 50 ft;
dry well or filter bed 50 ft; abandoned well _____ ft.
6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	200

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	1945 Standard Steel	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 8 GPM.Depth from surface to water-level: 63 ft.Water-level when pumping: 68 ft.

Water sample was sent to the state laboratory at:

Madison on April 15 1963
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20
Sandy clay	20	70
Sand & Gravel	70	90
Hard Pan	90	105
Broken Rock	105	110
Hard Rock	110	200

Construction of the well was completed on:

April 14 1963The well is terminated 12 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature Lloyd Schaller
Registered Well Driller

Please do not write in space below

5591 So. 42. St. mil. Wis
Complete Mail AddressRec'd APR 16 1963 No. 11851

Ans'd _____

Interpretation SAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli O

Examiner _____

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

SE NW SEC. 3 T5N R22E

1. County Milwaukee Town ☐ Village ☐ City ☒ Oak Creek
Check one and give name

2. Location 6521 So. Pennsylvania Ave.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ E. J. Benskowski
Name of individual, partnership or firm

4. Mail Address _____
Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	196

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel 20#	0	108

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

6/22/59 on _____ 19_____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	20
Blue Clay	20	60
Gravel	60	68
Blue Clay	68	105
Hard Pan	105	108
Limestone	108	196

RECEIVED

NOV 22 1959

ENVIRONMENTAL
 SANITATION

Construction of the well was completed on:

6/22/59 19____

The well is terminated 3ft inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature LF May 818 Michigan Ave, So Milwaukee WI
Registered Well Driller Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Well 6

SLONE Sec. 3 TSN R22E

See Instructions on Reverse Side

RECEIVED

1. County Milwaukee { Town ☐ Village ☐ City ☒ } South Milwaukee Oak Creek
 Check one and write range
2. Location 6920 S. Pennsylvania Avenue
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Santucci Construction Company
 Name of individual, partnership or firm
4. Mail Address 5115 Church Street, Skokie, Illinois
 Complete address required
5. From well to nearest: Building 5 ft; sewer 50 ft; drain 50 ft; septic tank none ft;
 dry well or filter bed 0 ft; abandoned well 0 ft.

6. Well is intended to supply water for: Shop

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	67	6	67	132

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std. steel	0	67

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	67

11. MISCELLANEOUS DATA:

Yield test: 1 Hrs. at 12 GPM.Depth from surface to water-level: 60 ft.Water-level when pumping: 72 ft.

Water sample was sent to the state laboratory at:

_____ on _____ 19____
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Limestone fill	0	3
Red clay	3	15
Sand	15	25
Gravel	25	35
Sand	35	40
Blue clay	40	50
Stony clay	50	58
Gravel	58	60
Stony clay	60	66
Limestone	66	132

Construction of the well was completed on:

October 24 1962The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature

Richard Berkholtz
 Registered Well DrillerRichard Berkholtz, President

Please do not write in space below

Acker-Berkholtz Co., Inc.

1170 Forest Lane, Brookfield, Wisconsin

Complete Mail Address

Rec'd _____ No _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

JUL 2 1946

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

1. County Milwaukee Town Oak Creek
Village Oak Creek

2. Location Sec. 4 Tn. 5 Rge. 22E.

3. Owner or Agent Chas. Hasee

4. Address Milwaukee Wisconsin

5. From well to nearest: Building 8 ft; sewer 8 ft; drain 8 ft; septic tank 8 ft;
dry well or filter bed 8 ft; abandoned well House ft. Incomplete

6. Well is intended to supply water for: Residence

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	58
6	58	131

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel Pipe	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	58

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay	0	58
Sandy Clay	65	123
Sand Gravel & Broken Rock	8	131

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.
Depth from surface to water: 40 ft.
Water-level when pumping: 40 ft.
Water sample sent to laboratory at Kenosha June 17 1946

Construction of the well was completed on June 17 1946
The well is terminated 6 inches (above) (below) the permanent grade.
Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Schike Registered Well Driller G. L.
845 So. 85th. St. Complete Mail Address
West Allis 14- Wis.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

W² Sec 4, T5N, R22E

See Instructions on Reverse Side

SEP 6 1949

BUREAU
SANIT. ENG.1. County Milwaukee Town ☒ Oak Creek
Village ☒
City ☐ Check one and give name2. Location 1/2 Mile South College Ave 3 Blocks East of Howell
Name of street and number of premise or Sec. Tn. and R. numbers3. Owner ☒ or Agent ☐ E. Hintz
Name of individual, partnership or firm4. Mail Address 2713 A Sherman Milwaukee Wis.
Complete address required5. From well to nearest: Building 16 ft; sewer 2 ft; drain 2 ft; septic tank 60 ft;well dry well or filter bed 2 ft; abandoned well 2 ft;6. Well is intended to supply water for: Residence

7. DRILLHOLE: (a) Information to kind well (b) Information to kind well

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	127

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard weight		
	Steel casing	0	127

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	30 ft.

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	31
Sand	31	38
Clay	38	70
Sand	70	106
Clay (very hard)	106	113
Gravel	113	127

11. MISCELLANEOUS DATA:

Yield test: 10 GPM Hrs. at 10 GPM. Construction of the well was completed on 8-27-49Depth from surface to water: 30 ft. The well is terminated 12 inchesWater-level when pumping: 72 ft. ☒ above, below ☐ the permanent ground surface.Water sample sent to laboratory at Kenosha on 9-5-49 19 19 Was the well disinfected upon completion? Yes ☒ No ☐Signature R. Martin Registered Well Driller Complete Mail Address 1651 S 100 Street
West Allis 14 Wis.
(Milwaukee)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
SW, SW, SW, Sec 4, T 5 N R 22 E See Instructions on Reverse Side

1. County Trilwaukee Town ☐ Village ☐ City ☐ Oak Creek Check one and give name
2. Location 120 East Rawson
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☐ Elmer Paul
 Name of individual, partnership or firm
4. Mail Address 120 East Rawson Tril 7 Wis
 Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	151			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard Steel pipe	0	145

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 25 ft.

Water sample was sent to the state laboratory at:

Madison on March 7 1954
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil		
yellow clay	0	1
sandy clay	16	17
blue clay	80	97
hard pan	43	140
lime stone	5	145
	6	151

Construction of the well was completed on:

March 1 1954

The well is terminated 6 inches

☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Elmer Paul
 Registered Well Driller

7570 So. Howell Tril 7 Wis
 Complete Mail Address

Please do not write in space below

Rec'd MAR 9 - 1955 No. 5477

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. 0

48 hrs. 0

Confirm _____

B. Coli _____

0/5 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH **RECEIVED**
SW,SW,SW,Sec 4,T5N,R22E See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ OAK CREEK MAR 15 1963
Check one and give name
2. Location 124 E. RAWSON AVE **SANITARY ENGINEERING**
Name of street and number of premise or Section, Town and Range numbers
3. Owners ☒ or Agent ☐ PAUL & MIX CO. HOWARD LAMOREAUX & RAY JEC
Name of individual, partnership or firm
4. Mail Address 124 E. RAWSON AVE - OAK CREEK, WIS.
Complete address required
COST IRON PIPE
5. From well to nearest: Building 6 ft; sewer 15 ft; drain None ft; septic tank 25 ft;
 dry well or filter bed 50 ft; abandoned well _____ ft.
6. Well is intended to supply water for: OFFICE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	201			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	145
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.
 Depth from surface to water-level: 40 ft.
 Water-level when pumping: 43 ft.
 Water sample was sent to the state laboratory at:
MADISON on 3/11/1963
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	12
BLUE CLAY	12	129
GRAVEL	129	134
HARD PAN	134	140
PORUS LIMB	140	145
SOLID LIMB	145	201

Construction of the well was completed on:

FEB 14 1963

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Les J. Blawet 1731 W. GRANGE AVE MIL. 21, WIS.
Registered Well Driller Complete Mail Address
 MAR 12 1963 Please do not write in space below

Rec'd _____ No. 7312
 Ans'd _____
 Interpretation SAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml
 Gas—24 hrs. _____
 48 hrs. _____
 Confirm _____
 B. Coli 0
 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
 1SW,SW,SW,Sec 4,T5N,R22E See Instructions on Reverse Side

Well 6

WO 4088

1. County Milwaukee

Town ☐
 Village ☐
 City ☒

Oak Creek

Check one and give name

2. Location 140 E. Rawson Ave.

Name of street and number of premise or Section, Town and Range numbers

JAN 20 1965

3. Owner ☒ or Agent ☐ Eldred Heiderick

Name of individual, partnership or firm

SANITARY
ENGINEERING

4. Mail Address 140 E. Rawson Ave.

Complete address required

5. From well to nearest: Building 8 ft; sewer 50 ft; drain 15 ft; septic tank 75 ft;
 dry well or filter bed 50 ft; abandoned well ft.

6. Well is intended to supply water for: home and greenhouse

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	142			
6	142	248			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	std. steel	0	142

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	142

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 20 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 90 ft.

Water sample was sent to the state laboratory at:

Madison on 12/29/64 19

City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	0	12
blue clay	12	86
coarse gravel & sand	86	98
hardpan	98	140
limerock	140	248

Construction of the well was completed on:

6/30/64

19

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Richard Berkholtz

Registered Well Driller

Richard Berkholtz, President

Please do not write in space below

ACKER BERKHOLTZ COMPANY, INC.

1170 Forest Lane, Brookfield, Wis. 53005

Complete Mail Address

Rec'd No.

Ans'd

Interpretation

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH Vol 6
NW,SW,SW,Sec 4,T5NR22E See Instructions on Reverse Side AUG 31 1964

1. County Milwaukee Town ☐ Village ☐ City ☒ Oak Creek Check one and give name **SANITARY ENGINEERING**
2. Location 6932 So. Howell Ave.
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ August Priegal
Name of individual, partnership or firm
4. Mail Address 2349 So. Austin Ave. Milwaukee, Wisconsin 53207
Complete address required
5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel casing	0	139

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 12 GPM.
Depth from surface to water-level: 49 ft.
Water-level when pumping: 78 ft.
Water sample was sent to the state laboratory at:
Madison on 8/13/64 1964
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay sand & gravel	0	78
Sandy clay	78	107
Stony clay	107	135
Hard pan	135	139
Lime rock	139	170

Construction of the well was completed on:

August 13, 1964 1964

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

David J. Licker
Registered Well Driller

Please do not write in space below

Complete Mail Address

10401 W. Sunset Home Ave. Hales Corners WI

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

(NW,SW,SW,Sec 4,T5N,R22E) See Instructions on Reverse Side

1. County MILWAUKEE Town ☒ OAK CREEK
 Village ☐
 City ☐ Check one and give name

2. Location 6942 50. HOWELL RECEIVED
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ AUG. PRIEGEL OCT 25 1956
 Name of individual, partnership or firm

4. Mail Address SAME YARD #2 ENVIRONMENTAL SANITATION
 Complete address required

5. From well to nearest: Building 17 ft; sewer 27 ft; drain 17 ft; septic tank 45 ft;
 dry well or filter bed 60 ft; abandoned well 110 ft.

6. Well is intended to supply water for: CONSTRUCTION & HOME USE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
8	40	182			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
8	STEEL 50WT	0	145

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	30
CEMENT	30	40

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 30 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 67 ft.

Water sample was sent to the state laboratory at:

MADISON on Oct 17 1956
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	11
Blue "	11	36
Gravel	36	39
Sandy Clay	39	131
Hard pan	131	139
Broken Limestone	139	144
Limestone	144	182

Construction of the well was completed on:

Oct. 5 1956

The well is terminated 10 inches

☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Ghehike 12808 W. National W. Allis
 Registered Well Driller Complete Mail Address

Rec'd OCT 18 1956 No. 38526
 10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd _____ Gas—24 hrs. _____

Interpretation SAFE _____ 48 hrs. _____

_____ Confirm _____

_____ B. Coli 6 _____

Examiner _____

Sample from Water System

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
SE, SE, SW, Sec. 4, T5N R22E See Instructions on Reverse Side

1. County Waukesha Town ☐ Village ☐ City ☐ Oak Creek Check one and give name
 2. Location 7014 So Taylor Smolen county Name of street and number of premise or Section, Town and Range
 3. Owner ☐ or Agent ☐ Joe Smolen Name of individual, partnership or firm
 4. Mail Address 7014 So Taylor Smolen county Complete address required
 5. From well to nearest: Building 10 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

RECEIVED
 DEC 8 1955

**ENVIRONMENTAL
 SANITATION** Suby Div

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	99

9. GROUT:

Kind	From (ft.)	To (ft.)
Food cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.
 Depth from surface to water-level: 30 ft.
 Water-level when pumping: 70 ft.
 Water sample was sent to the state laboratory at:
Madison on Nov 29 1955
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow clay	12	13
blue clay	76	89
hard pan	10	99
lime stone	46	145

Construction of the well was completed on:

Nov 28 1955

The well is terminated 6 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Leasimer Sydlowski 75-70 So Howell Trail 7 Wis
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd DEC 1 - 1955 No. 40176

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. 0

Confirm _____

B. Coli 9/5

Examiner _____

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW, SW, SE, Sec 4, T5N R22E

See Instructions on Reverse Side

H-16

RECEIVED

1. County MILWAUKEE { Town ☐
Village ☐
City ☒ OAK CREEK Check one and give name OCT-2-8-1963
2. Location 6900 So. HOWELL AVE OAK CREEK, WIS.
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ JOSEPH SCHROEDER
Name of individual, partnership or firm
4. Mail Address Same
Complete address required
5. From well to nearest: Building 10 ft; sewer None ft; drain None ft; septic tank None ft;
dry well or filter bed None ft; abandoned well _____ ft.
6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	17			
6	17	160			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	131

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY & RED CLAY	0	17

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.Depth from surface to water-level: 45 ft.Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at:

MADISON on OCT. 21 1963
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
12" BORED WELL	0	17
BLUE CLAY	17	128
PORUS LIME	128	131
SOLID LIME	131	160

Construction of the well was completed on:

OCT. 17 1963The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Les J. Blawie 1771 W. CRANCK AVE MIL. 21, WIS.
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd

OCT 22 1963

No. 46393

Ans'd

SAFE—BACTERIOLOGICALLY

Interpretation

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

10 ml 10 ml 10 ml 10 ml 10 ml

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wol 6

[SW,NWSW,Sec.4,T5N,R22E See Instructions on Reverse Side]

1. County MILWAUKEE Town ☐ Village ☐ City ☒ DAIR CREEK Check one and give name
2. Location 6848 So. Howell Ave
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ ART KUEHN
Name of individual, partnership or firm
4. Mail Address 8375 So. Howell Ave Dair Creek, Wis.
Complete address required
5. From well to nearest: Building 16 ft; sewer 30 ft; drain 16 ft; septic tank 60 ft;
dry well or filter bed 70 ft; abandoned well _____ ft.
6. Well is intended to supply water for: RESIDENCE

APR 21 1964

SANITARY
ENGINEERING

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>0</u>	<u>20</u>			
<u>6</u>	<u>20</u>	<u>185</u>			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>WROUGHT</u>	<u>0</u>	<u>188</u>
	<u>12 IN PIPE</u>		

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>CLAY SLURRY</u>	<u>0</u>	<u>20</u>

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 16 GPM.Depth from surface to water-level: 55 ft.Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

MADISON on APRIL 15 1964
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>RED CLAY</u>	<u>0</u>	<u>12</u>
<u>BLUE CLAY</u>	<u>12</u>	<u>134</u>
<u>PORUS LIME</u>	<u>134</u>	<u>138</u>
<u>SOLID LIME</u>	<u>138</u>	<u>185</u>

Construction of the well was completed on:

APRIL 11 1964The well is terminated 8 inches☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature Les J. Blum 1771 W. CRAWFORD AVE MIL. WIS-53221
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd APR 16 1964 No. 14298

Ans'd _____

Interpretation _____

~~SAFE~~ BACTERIOLOGICAL

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 00000

Examiner _____

JUL 16 1982

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION <u>NE, NW, SW, SE</u> <u>4</u> <u>5N</u> <u>22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Brian Satula</u>			
OR - Grid or Street No. <u>231</u> Street Name <u>E Oak St</u>		ADDRESS <u>Same</u>			
AND - If available subdivision name, lot & block No.		POST OFFICE			

4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>40</u>		Sanitary Bldg. Drain C.I. Other		Sanitary Bldg. Sewer C.I. Other		Floor Drain Connected To: C.I. Sewer Other Sewer		Storm Bldg. Drain C.I. Other		Storm Bldg. Sewer C.I. Other									
Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump		Septic Tank		Holding Tank		Sewage Absorption Unit							
San. Storm C.I. Other		Sewer Clearwater Dr. Sewage Sump Clearwater Sump		C.I. Other		C.I. Other		C.I. Sewer Other Sewer		C.I. Other		C.I. Other		Seepage Pit Seepage Bed Seepage Trench <u>100</u>							
Privy		Pet Waste Pit		Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumproom Nonconforming Existing		Barn Gutter		Animal Barn Pen		Animal Yard		Silo With Pit		Glass Lined Storage Facility		Silo w/o Pit		Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)											

5. Well is intended to supply water for: <u>Private home</u>						9. FORMATIONS		
						Kind From (ft.) To (ft.)		
6. DRILLHOLE						Clay Surface 70		
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)						Sand 70 100		
<u>10</u> <u>Surface</u> <u>20</u> <u>6</u> <u>20</u> <u>161</u>						<u>Hardpan</u> <u>100</u> <u>140</u>		
7. CASING, LINER, CURBING AND SCREEN						<u>limestone</u> <u>140</u> <u>161</u>		
Material, Weight, Specification & Method of Assembly								
Dia. (in.) From (ft.) To (ft.)								
<u>6</u> <u>New, steel</u> <u>Surface</u> <u>140</u>								
<u>Threaded & Coupled</u>								
<u>19.45 lb/ft</u>								
<u>ASTM A-120</u>								
<u>Union</u>								

8. GROUT OR OTHER SEALING MATERIAL				10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)				<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
<u>drill Cuttings-mud</u> <u>Surface</u> <u>20</u>				<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
				<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
				Well construction completed on <u>6-4</u> 19 <u>82</u>			

11. MISCELLANEOUS DATA				Well is terminated <u>10</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Yield Test: <u>5</u> Hrs. at <u>10</u> GPM				Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth from surface to normal water level <u>55</u> Ft.				Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>65</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Water sample sent to <u>Oak Creek</u> laboratory on <u>6-7</u> 19 <u>82</u>							

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature <u>[Signature]</u>		Complete Mail Address <u>9112 S. 13th St Oak Creek</u>	
Registered Well Driller			

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

1. County Mc/w>okee Town ☐ Village ☐ City ☒ OAK Creek Check one and give name

2. Location 511 E 2nd OAK St NW NE SW Sec 4 TSN R22E

3. Owner ☒ or Agent ☐ Howard Rockdink Name of individual, partnership or firm

4. Mail Address 1651 S. 100 Street West Allis 14, Wis. Complete address required

5. From well to nearest: Building 75 ft; sewer 11 ft; drain 11 ft; septic tank 60 ft;

Well dry well or filter bed 0 ft; abandoned well 0 ft

6. Well is intended to supply water for: Home

7. DRILLHOLE: (m) (ft) (ft)

Dia. (in.)	From (ft.)	To (ft.)
6	0	54
	54	146

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	St. Wt. Steel	0	142'
	Casing		

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	54'

10. FORMATIONS:

From (ft.)	To (ft.)
0	37
37	73
73	89
89	109
109	119
119	128
128	146

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 11 GPM. Construction of the well was completed on 5-2-58

Depth from surface to water: 40 ft. The well is terminated 8 inches

Water-level when pumping: 70 ft. ☒ above, below ☐ the permanent ground surface.

Water sample sent to laboratory at 5-5-58 on 19 Was the well disinfected upon completion? Yes ☒ No ☐

Was the well sealed watertight upon completion? Yes ☒ No ☐

Signature R. Martin Registered Well Driller

Complete Mail Address 1651 S. 100 Street West Allis 14, Wis.

MAY 5 1958

SAFE

11114

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

1. County Milwaukee Town ☐ Village ☐ City ☒ OAK Creek
Check one and give name

2. Location 611 E OAK St. NE, NE, SW, Sec 4, T 5 N, R 22 E
Name of street and number or premise or Sec. Tn. and R. numbers

3. Owner ☒ or Agent ☐ Pete Blier
Name of individual, partnership or firm

4. Mail Address 611 E OAK Street City of OAK Creek 1961
Complete address required

5. From well to nearest: Building 15 ft; sewer 10 ft; drain 10 ft; septic tank 60 ft
ENGINEERING

6. Well is intended to supply water for: Home

7. DRILLHOLE: (in) (ft.) From (ft.) To (ft.)

Dia. (in.)	Kind	From (ft.)	To (ft.)
10	Clay	0	46
6	Clay	46	133

8. CASING AND LINER PIPE OR CURBING: (in) (ft.) From (ft.) To (ft.)

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	St. 6" Casing	0	129 1/2

9. GROUT: Kind From (ft.) To (ft.)

Kind	From (ft.)	To (ft.)
Clay Slurry	0	46

10. FORMATIONS: (in) (ft.) From (ft.) To (ft.)

Kind	From (ft.)	To (ft.)
Clay	0	21
Hard Pan	21	33
Clay	33	70
Sand	70	81
Clay	81	129.6
Rock	129.6	133

11. MISCELLANEOUS DATA: Yield test: 3 Hrs. at 10 GPM. Construction of the well was completed on 3-11-61

Depth from surface to water: 40 ft. The well is terminated 8 inches ☒ above, ☐ below the permanent ground surface.

Water-level when pumping: 72 ft. Was the well disinfected upon completion? Yes ☒ No ☐

Water sample sent to laboratory at 3-14-61 on 19. Was the well sealed watertight upon completion? Yes ☒ No ☐

Signature R. Martin Registered Well Driller 1651 S. 100 Street Complete Mail Address West Allis 14, Wis
MAR 15 1961

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SWSWSE, Sec 4 T5N R22E

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Cash Creek
Check one and give name

2. Location 910 - E. Dawson Ave.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ John Brickler
Name of individual, partnership or firm

4. Mail Address 910 - E. Dawson Ave.
Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Ice Cream Stand

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	50	6	50	108

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Std Pipe 20 th	0	80

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>mud</u>		

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 40 ft.

Water sample was sent to the state laboratory at:

Madison on _____ 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil - Red clay	0	15
Blue clay	15	70
Mudstone clay	70	75
Hard Pan	75	80

RECEIVED

AUG 12 1958

ENVIRONMENTAL
SANITATION

Construction of the well was completed on:

7/22/58 19____

The well is terminated 10 inches
☐ above, ☐ below the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature L. L. May 818 - Michigan Ave.
Registered Well Driller Complete Mail Address 20. Milwaukee
Please do not write in space below

Rec'd _____ No _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

COUNTY MILWAUKEE		CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		NAME OAK CREEK				
2. LOCATION 1/4 Section Section Township Range SW, SW, NW, 4, 5N, 22E		3. OWNER AT TIME OF DRILLING OTTO SATULA						
- Grid or street no. 6612		Street name 50. HOWELL AVE		ADDRESS 640 E. PARKWAY ESTATES DR.				
AND - If available subdivision name, lot & block no.		POST OFFICE OAK CREEK, WIS. 53154						
Distance in feet from well to nearest: (Record answer in appropriate block)		BUILDING 15	SANITARY SEWER C. I. 100	FLOOR DRAIN C. I. 100	FOUNDATION DRAIN SEWER CONNECTED 15 INDEPENDENT	WASTE WATER DRAIN C. I. TILE		
NEAR WATER DRAIN C. I. TILE	SEPTIC TANK SEWER	PRIVATE IN	SEEPAGE PIT STREET	ABSORPTION FIELD OVER 300'	BARN	SILO	ABANDONED WELL	SINK HOLE
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)								
5. Well is intended to supply water for: BACKET BALL CLUB								
DRILLHOLE						9. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	40				RED CLAY	Surface	18
6	40	247				BLUE CLAY	18	130
CASING, LINER, CURBING, AND SCREEN								
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)				
6	BLK. 5 M.L.S. T.C.		Surface	148		HARD PAN	130	140
	w/RTD COUPLINGS					POROUS LIMESTONE	140	148
	NEW INTEALAKE, INC					SOLID LIMESTONE	148	247
	ASTM A-55							
	19.45							
8. GROUT OR OTHER SEALING MATERIAL						10. TYPE OF DRILLING MACHINE USED		
Kind		From (ft.)	To (ft.)					
CLAY & LIMESTONE SLURRY		Surface	40		<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary	
					<input type="checkbox"/> Rotary - air w/drilling mud	<input type="checkbox"/> Rotary - hammer with drilling mud & air	<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water	
11. MISCELLANEOUS DATA						Well construction completed on Nov. 8, 1978		
Yield test: 5	Hrs. at 50	GPM	Well is terminated 10 inches <input checked="" type="checkbox"/> above <input type="checkbox"/> below final grade					
Depth from surface to normal water level 50 ft.			Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Depth to water level when pumping 68 ft.			Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Water sample sent to MADISON						laboratory on: DEC. 4, 1978		
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seal of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.								
SIGNATURE Paul Blawie						COMPLETE MAIL ADDRESS 1731 W. GRAMER AVE - MIL. WIS. 5322		
Please do not write in space below								
COLIFORM TEST RESULT		GAS - 24 HRS.		GAS - 48 HRS.		CONFIRMED		REMARKS

1. COUNTY MILWAUKEE		CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		NAME OAK CREEK	
2. LOCATION (Number and Street or 1/4 section, township and range. Also give subdivision name, lot and block numbers when available.) 100 E. OAK ST. SW, SW, NW, Sec 4, T5N R22E					
3. OWNER AT TIME OF DRILLING ELECTRONIC CONSTRUCTION CORP					
4. OWNER'S COMPLETE MAIL ADDRESS 100 E. OAK ST. OAK CREEK, WIS.					
5. Distance in feet from well to nearest:		BUILDING	SANITARY SEWER	FLOOR DRAIN	FOUNDATION DRAIN
(Record answer in appropriate block)		C. I.	TILE	C. I.	TILE
		12	50	65	NOTE
CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN
C. I.	TILE				
	90			100	
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)					

6. Well is intended to supply water for:

INDUSTAY

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	24			
6	24	166			

10. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	17
BLUE CLAY	17	14
POROUS LIMESTONE	149	161
SOLID LIMESTONE	161	166

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	BLK. SMLS. T&C	Surface	161
	w/R&D couplings		
NEW	19.45		
	YOUNGSTOWN		

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY SLURRY	Surface	24

Well construction completed on **Nov. 26** 19**66**

11. MISCELLANEOUS DATA

Yield test:	4	Hrs. at	30	GPM
Depth from surface to normal water level	60	ft.		
Depth to water level when pumping	65	ft.		

Well is terminated **10** inches ☒ above final grade ☐ belowWell disinfected upon completion ☒ Yes ☐ NoWell sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to

MADISON

laboratory on:

1/1319**69**

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

Les Blawie

COMPLETE MAIL ADDRESS

Registered Well Driller

1731 W. GRAND AVE - MIL. WIS. 5322

Please do not write in space below

COLIFORM TEST RESULT

GAS - 24 HRS.

GAS - 48 HRS.

CONFIRMED

REMARKS

NOV 1 1971

WELL CONSTRUCTOR'S REPORT

Well-6

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPYSTATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY MILWAUKEE CHECK ONE ☐ Town ☐ Village ☒ City DAK CREEK

LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)
300 E. DAK ST SE, SW, NW, Sec 4 T5N R22E

OWNER AT TIME OF DRILLING
OTTO SATULA

4. OWNER'S COMPLETE MAIL ADDRESS
8141 So. PENNSYLVANIA AVE DAK CREEK WIS

Distance in feet from well to nearest:
(Record answer in appropriate block)

BUILDING	SANITARY	SEWER	FLOOR DRAIN	FOUNDATION DRAIN	WASTE WATER DRAIN
C. I.	C. I.	TILE	C. I.	TILE	C. I.
5	40	40	NONE		

LEAK WATER DRAIN
C. I. TILE HOLDING TANK 55'

SEEPAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for:
INDUSTRY

DRILLHOLE						10. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	27				RED CLAY	Surface	17	
6	27	162				BLUE CLAY	17	107	
7. CASING, LINER, CURBING, AND SCREEN									
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)					
6	BLK. SMLS. T&C		Surface	154		HARD PAN	107	117	
	W/R&D COUPLINGS					BLUE CLAY	117	140	
New	VALLEY STEEL					HARD PAN	140	148	
	19.45"					BLUE CLAY	148	150	
						PORUS LIME	150	154	
						SOLID LIME	154	162	
9. GROUT OR OTHER SEALING MATERIAL									
Kind			From (ft.)	To (ft.)					
CLAY SLURRY			Surface	27					

11. MISCELLANEOUS DATA

Field test: 4 Hrs. at 15 GPM

Well construction completed on OCT. 4 1971

Well is terminated 10 inches ☐ above ☐ below final grade

Depth from surface to normal water level 50 ft. Well disinfected upon completion ☒ Yes ☐ No

Depth to water level when pumping 50 ft. Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to MADISON laboratory on: OCT. 27 1971

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Leo J. Blawie COMPLETE MAIL ADDRESS 1731 W. GRANGE AVE - MIL. WIS. 5322

Registered Well Driller

Please do not write in space below

UNIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
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WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW, SW, NW, Sec 4 T5N, R22E

See Instructions on Reverse Side

1. County MILWAUKEE
☐ Town
☐ Village
☒ City
DAK CREEK

Check one and give name

MAIL ADDRESS

2. Location

6542 SO. HOWELL AVE DAK CREEK WIS

Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐RUDY PAULICH

Name of individual, partnership or firm

LOCATION

4. Mail Address

S. E. CORNER OF E. JEWELL & SO. BURRELL ST.

Complete address required

DAK CREEK5. From well to nearest: Building 15 ft; sewer 70 ft; drain 15 ft; septic tank 40 ft;dry well or filter bed 50 ft; abandoned well _____ ft.6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	153			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	134
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.Depth from surface to water-level: 20 ft.Water-level when pumping: 28 ft.

Water sample was sent to the state laboratory at:

MADISON on NOV 12 1956
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	130
PARIS LIME	130	134
SOLID LIME	134	153

RECEIVED

NOV 20 1956

ENVIRONMENTAL
SANITATION

Construction of the well was completed on:

NOV 12 1956The well is terminated 8 inches☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature

Leo J. Blum
Registered Well Driller

Please do not write in space below

Complete Mail Address

1731 W. CRANCK AVE MIL. 15, WIS.

Rec'd

NOV 13 1956

No.

41163

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd

Gas—24 hrs.

48 hrs.

Interpretation

SAFE

Confirm

B. Coli

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE, SWNW, Sec 4, T 5N, R 22E See Instructions on Reverse Side

1. County milwaukee Town ☐ Oak Creek
 Village ☐
 City ☒ Check one and give name

2. Location 241 East Jewell
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Ralph E. Winkel
 Name of individual, partnership or firm

4. Mail Address 2250 So 4th St Milwaukee Wis
 Complete address required

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank ft;
 dry well or filter bed ft; abandoned well ft.

RECEIVED
 SEP 5 1957

6. Well is intended to supply water for: home **ENVIRONMENTAL SANITATION**

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Trued cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at:

Madison on Aug 24 1957
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	13	10
sand & gravel	30	45
sandy clay	70	115
gravel	10	125
hard pan	7	132
lime stone	23	155

Construction of the well was completed on:

Aug 23 1957

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leviner H. Hollander
 Registered Well Driller

1570 So Howell South Mil
 Complete Mail Address

Please do not write in space below

Rec'd 26 1957 No. 28710

Ans'd Because of the presence of B. Coli in
 Interpretation one of the 10 cc. portions of this sam-
ple another examination is advisable.

10 ml 10 ml 10 ml 10 ml 10 ml
 Gas—24 hrs. +
 48 hrs. 00000
 Confirm +
 B. Coli 5
 Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

NESWNW, Sec 4, T5N R22E

1. County Wisconsin Town ☐ Village ☐ City ☒ Oak Creek
 Check one and give name

2. Location 321 East Jewell
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Otto H. Salilla
 Name of individual, partnership or firm

4. Mail Address 321 East Jewell
 Complete address required

5. From well to nearest: Building 16 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	130			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std steel pipe	0	128

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cutting	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 30 GPM.

Depth from surface to water-level: 27 ft.

Water-level when pumping: 27 ft.

Water sample was sent to the state laboratory at:

Madison on April 28 1958
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sandy clay	115	117
sand & gravel	11	128
gravel	2	130

RECEIVED

MAY 7 1958

ENVIRONMENTAL
 SANITATION

Construction of the well was completed on:

April 26 1958

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Leasimur G. Gyllowski 75-70 So Howell So Mil W.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd APR 30 1958 10650
 No.

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
 NE, SW, NW Sec 4, T5N, R22E See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ OAK CREEK
 Check one and give name
2. Location 240 E JEWEL ST.
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ AM PASTERKO + S. HOLMAN
 Name of individual, partnership or firm
4. Mail Address 1630 N. 34th ST MILWAUKEE
 Complete address required
5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 50 ft;
 dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	25			
4	25	149			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>POOLED CLAY</u>	<u>0</u>	<u>25</u>

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 6 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at:

MADISON on 1/19 1957
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>POOLED CLAY</u>	<u>0</u>	<u>25</u>
<u>BLUE CLAY</u>	<u>25</u>	<u>80</u>
<u>SAND</u>	<u>80</u>	<u>145</u>
<u>WATER GRAVEL</u>	<u>145</u>	<u>149</u>
RECEIVED		
ENVIRONMENTAL SANITATION		

Construction of the well was completed on:

1/19 1957

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature [Signature]
 Registered Well Driller

14021 W. DAKOTA ST. WALKER
 Complete Mail Address

3 COPIES

Please do not write in space below

Rec'd JAN 20 1950 No. —

Ans'd —

Interpretation SAFE

Gas—24 hrs. —

48 hrs. —

Confirm —

B. Coli 0

Examiner —

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
NE,SW,NW,Sec 4,T5N,R22E See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Oak Creek
 Check one and give name

2. Location 301 East Jewell
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Ralph Siehr
 Name of individual, partnership or firm

4. Mail Address 3371 East Norwich Milwaukee Wisc
 Complete address required

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	186			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Stand Steel pipe	0	138

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 8 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at:

Madison on April 27 1959
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sandy clay	80	82
blue clay	52	134
hard pan	4	138
lime stone	48	186

RECEIVED

MAY 6 1959

ENVIRONMENTAL
 SANITATION

Construction of the well was completed on:

April 20 1959

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No _____

Was the well sealed watertight upon completion?

Yes ☒ No _____

Signature S. Sydzlewski
 Registered Well Driller

75-70 So Howell So Mil Wisc
 Complete Mail Address

Please do not write in space below

Rec'd APR 28 1959 No. 10042

Ans'd SAFE

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 0

Examiner _____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

JUL 23 1940

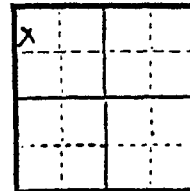
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner F. R. Harskka Driller Lohrke Bros. ✓
Street or RFD RR. Post Office 845 So. 85th West Allis.
Post Office Milwaukee Date June 20, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee Oak Creek
County _____ Town _____
1/4 mile So. of College Ave
Describe further by subdivision, plat, district, lake, lot,
on East Side of Howell Rd.
block, nearest principal highway, etc., whichever apply.

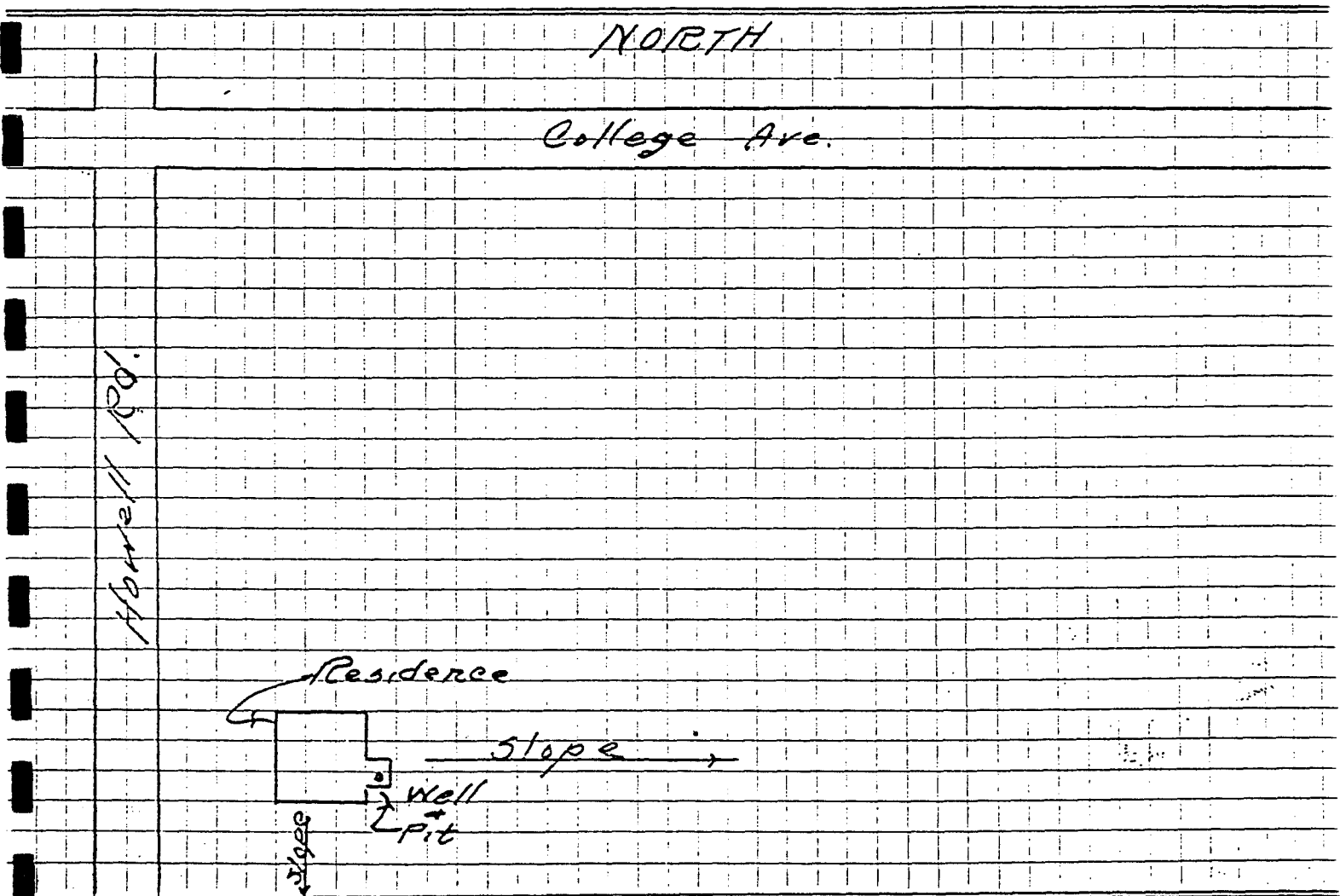
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NW, NW,
Sec. 4
Twp. 5
Range 22 } E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel pipe
Drillers
Special

Forged Steel
Drive Shoe

Key:

| = Casing pipe

| = Drillhole

SG = Mud Grout.

Inches		Diameter		Depth
2	3	4	5	
				0
				13
				23
				25
				47
				50
				54
				75
				79
				86
				100
				127
				145
				146
				150
				168
				200
				400
				800
				1200

Draw the diagram to show the right half only

Pit - 5'

R. Clay - 8'

Blue
Clay - 34'

Sand - 7'

stony
Blue - 25'
Clay

Gravel - 7'

Blue
Clay - 41'

Hard - Pan - 18'

Limestone - 23'
(water bearing)

Duration of test
Hours 3

Pumping rate
G.P.M. 15

Depth of pump in
well. Ft. 90

Standing water-level
(from surface)
Ft. 44

Water-level when
pumping Ft. 70

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory
sample sent?
Kenoshka

Date June 10-4

Was the well sealed on
completion?
Yes ☒ No ☐

How high did you leave
casing-pipe above water?
6" Pit 3/4

Well was completed
Date June 8-4

Well Driller
Lehke Bros
Signature

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner St. Stephen's Parish Driller The Statue
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Town of Oak Creek Milwaukee Address P.O. Box 355
(City, Village, Township, County) Wisconsin
Date of Report April 29 19 37
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city:

Name Lot Blk. Street and No.

If unincorporated hamlet:

Name County Twp. Highway

If Lake Shore Plat:

Name of Plat Lake Lot Blk. Street

If Farm:

County Twp. Sec. Highway

If School:

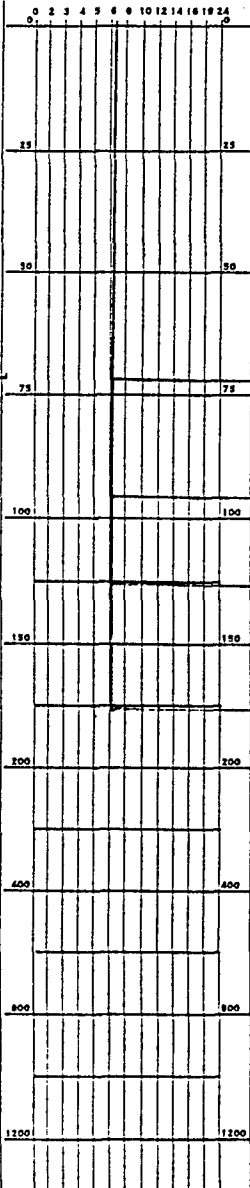
County Twp. Sec. District

If other public building:

Kind County Twp. Sec.

Miscellaneous St. Joseph Cemetery Milwaukee Oak Creek
Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
124' of 6" Steel drive pipe down 128'		0'-70' Clay.	Duration of test. Hours <u>4</u> Pumping Rate. G. P. M. <u>30</u> Depth of pump in well. Ft. <u>120</u> Standing water-level (from surface). Ft. <u>33</u> Water level when pumping Ft. <u>4.5</u> Water. End of test. Check: Clear <u>L</u> Cloudy _____ Turbid _____ Was well sterilized before test? Yes _____ No <u>L</u> Date _____ To which Laboratory was sample sent? <u>Madison</u> Date <u>4/26/37</u> Was the well sealed on completion? Yes <u>L</u> No _____ How high did you leave casing above grade? <u>1'</u> Well was completed <u>4/20/37</u> 19 Well Driller: Signature. (Be sure to complete the report on the reverse side)
Forged. Shoe.		70' To 92' Sand Wat.	
		92' To 127' Stony Clay.	
		127' To 176' Rock.	

PREMISES DIAGRAM

(See Rules)

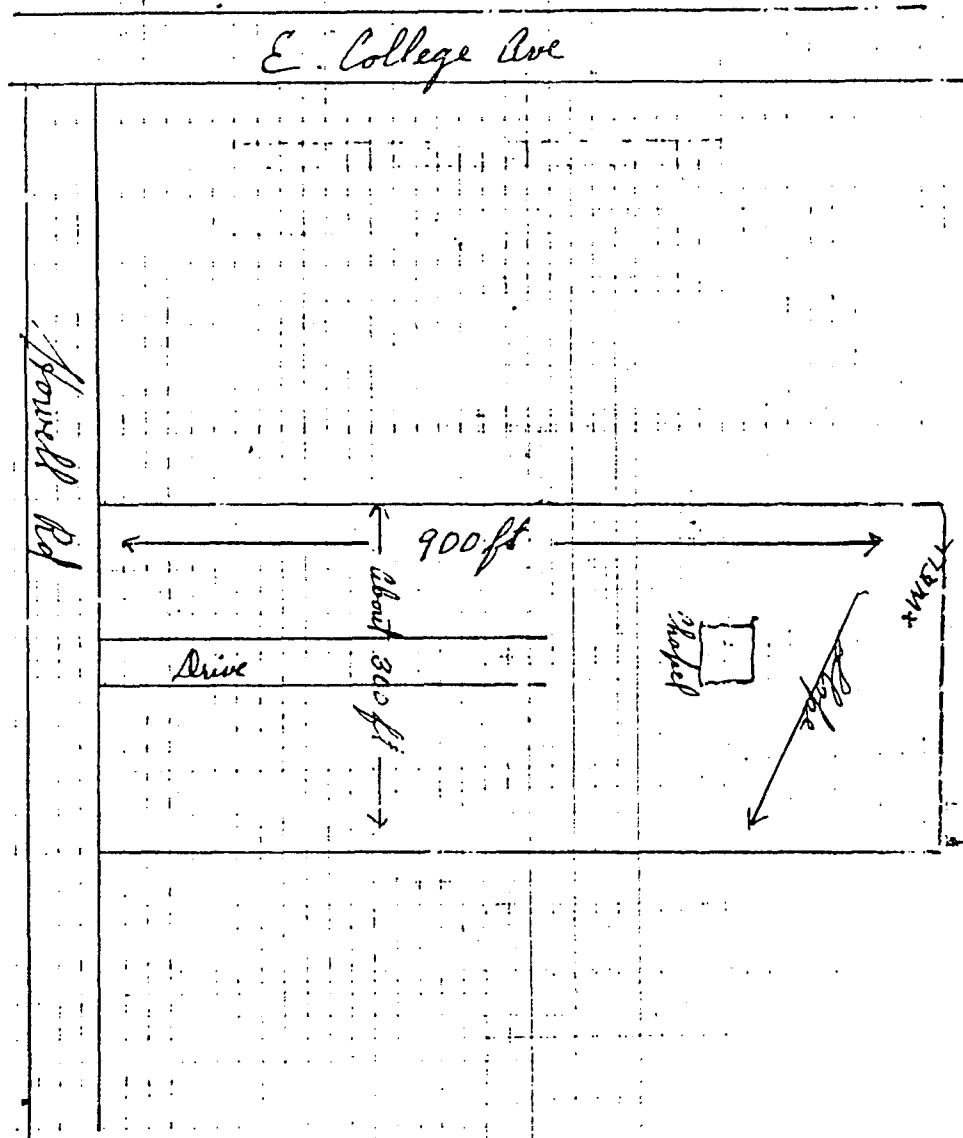
Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS :

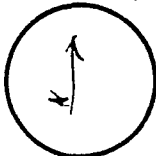
Indicate position of premises in the Section

Sec. 4 T 5 R 22 (E) (WY)

(Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

JUN 25 1946

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW, NW, Sec 4, T5N, R22E

See Instructions on Reverse Side

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

1. County Waukesha Town Oak Creek

2. Location East corner of East College & W. Howell Ave

3. Owner C. J. Peters

4. Address Same

5. From well to nearest: Building 15 ft; sewer 25 ft; drain 35 ft; septic tank 40 ft; dry well or filter bed ft; abandoned well ft

6. Well is intended to supply water for: Family Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	117

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Pipe	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	117

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	40	40
Blue clay	68	108
Gravel	9	117

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 44 ft.

Water sample sent to laboratory at Makison on June 24 1946

Construction of the well was completed on June 24 1946

The well is terminated 6 inches (above) the permanent grade.

Was the well disinfected upon completion? Yes ☒ No ☐

Was the well sealed watertight upon completion? Yes ☒ No ☐

Signature Clarence Peters

Registered Well Driller 3934 So 41st West Allen Wis.

Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
NW, NW, NW, Sec 4, T 5N, R 22E See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ OAK CREEK
 Check one and give name
2. Location 6336 SA. HOWELL AVE
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ WILLIAM C. BRUST
 Name of individual, partnership or firm
4. Mail Address 579 W. COLLEGE AVE OAK CREEK, WIS.
 Complete address required
5. From well to nearest: Building 50 ft; sewer NONE ft; drain ft; septic tank ft;
 dry well or filter bed ft; abandoned well ft.
6. Well is intended to supply water for: RESIDENCE

RECEIVED

APR 5 1957

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	177			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	132
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.
 Depth from surface to water-level: 63 ft.
 Water-level when pumping: 98 ft.
 Water sample was sent to the state laboratory at:
MADISON on MARCH 25 1957
 City

10. FORMATIONS: ENVIRONMENTAL SANITATION

Kind	From (ft.)	To (ft.)
RED CLAY	0	19
BLUE CLAY	19	78
SAND	78	116
BLUE CLAY	116	128
POROUS LIME	128	132
SOLID LIME	132	177

Construction of the well was completed on:

MARCH 25 1957

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawie 1731 W. GRANGE AVE MIL, WIS.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd MAR 26 1957 No. 7210

Ans'd

Interpretation

SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm 6

B. Coli

Examiner

County Milwaukee Twp. Oak Creek NW/4, Sec. 4, T5N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Joe Winkowski Driller George Bros
(If a joint ownership give name of responsible party. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address 845 to 85 St
Town of Oak Creek, Milwaukee Co West Ellis Wisc
(City, village, township, county) Date of Report May 16 1938
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city:

If unincorporated hamlet

If Lake Shore Plat

If Subdivision

If Farm

If School

If other public building

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
118' of 5" Steel drive pipe down 116'		0' TO 50' Clay	Duration of test. Hours <u>4</u> Pumping Rate. G. P. M. <u>15</u> Depth of pump in well. Ft. <u>65</u>
	5" Forged shoe	50' TO 115' Sandy Clay & Stones	Standing water-level (from surface.) Ft. <u>30</u> Water level when pumping Ft. <u>45</u> Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/>
		115' TO 150' Lime rock	Was well sterilized before test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date <u>4/13/38</u> To which Laboratory was sample sent? <u>Madison</u> Date <u>4/13/38</u> Was the well sealed on completion? Yes <u>Hand pump</u> No <u>with seal</u> How high did you leave casing above grade? <u>2 ft</u> Well was completed <u>4/17</u> 19 <u>38</u> Well Driller: <u>W.D. George</u> Signature. (Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

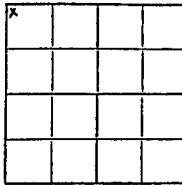
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS : Report blasting and unusual items in this space :

The large square represents one Section of land divided into 36 40 A. tracts. Indicate position of premises in the Section.

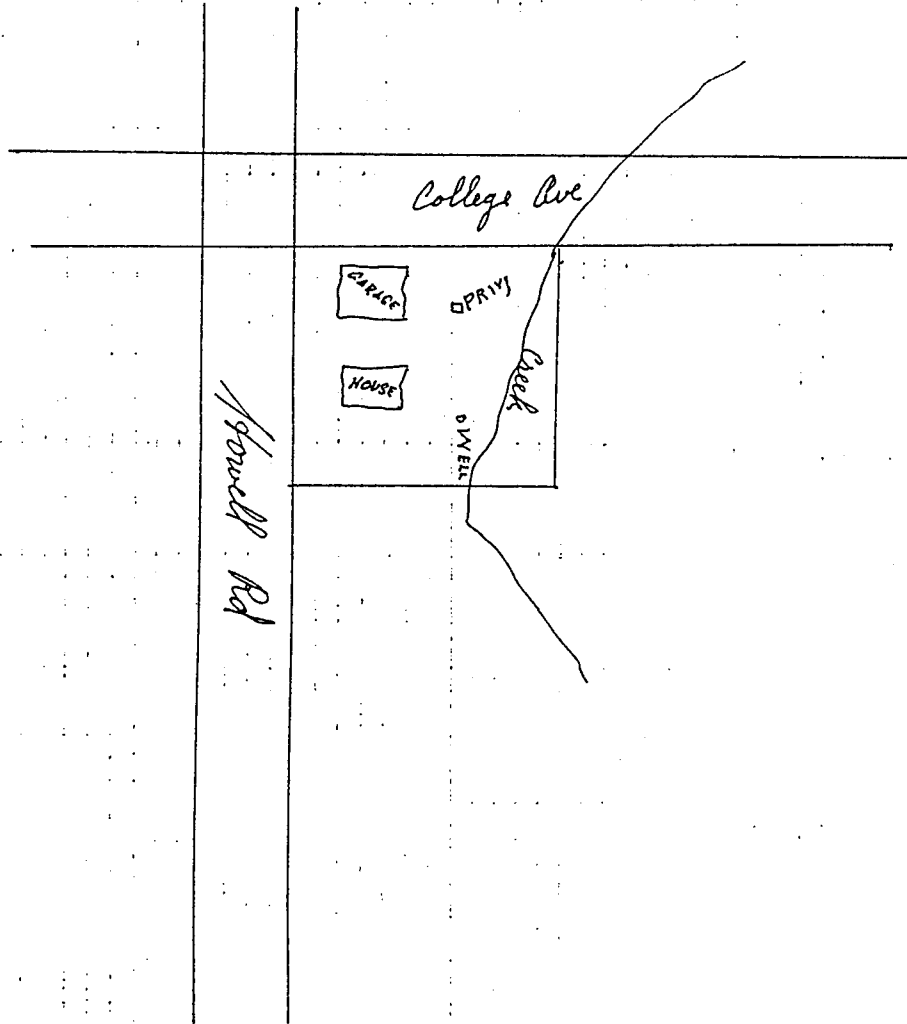
NORTH



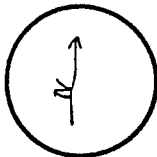
Sec. 4 T. 5 R. 22 (E) (NW) (Each division equals 10') (If more or less indicate: _____)

DRAW PREMISES DIAGRAM BELOW.

(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North"
Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE, NW, NW, Sec 4, T5N, R22E See Instructions on Reverse Side

1. County MILWAUKEE Town ☐ Village ☐ City ☒ OAK CREEK
Check one and give name

2. Location 209 E. COLLEGE AVE OAK CREEK, WIS.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ EMIL R. KRUTZ
Name of individual, partnership or firm

4. Mail Address SAME AS ABOVE
Complete address required

5. From well to nearest: Building 7 ft; sewer NONE ft; drain 12 ft; septic tank 8 ft;
dry well or filter bed 50 ft; abandoned well ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	186			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WR00847	0	131
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 48 ft.

Water-level when pumping: 48 ft.

Water sample was sent to the state laboratory at:

MADISON on FEB. 27 1962
City

10. FORMATIONS:

SANITARY
ENGINEERING

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	120
HARD PAN	120	129
PORUS LIME	129	131
SOLID LIME	131	186

Construction of the well was completed on:

FEB. 19 1962

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Lo J. Blawet 1731 W. GRACE AVE MIL. 21, WIS.
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd MAR 1 - 1962 No 6143

Ans'd

Interpretation SAFE - BACTERIOLOGICALLY

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL-CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NWNE, NE Sec 4, T5N R22E See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Oak Creek
Check one and give name
2. Location 1219 E. College Ave. Milwaukee, 7, Wis.
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Ray Van Beck
Name of individual, partnership or firm
4. Mail Address 1301 E. College Ave. Milwaukee, Wis.
Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.
6. Well is intended to supply water for: home
- RECEIVED
JAN 6 1959

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	176

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard weight		
	steel pipe	0	129-9"

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.
Depth from surface to water-level: 35 ft.
Water-level when pumping: 85 ft.
Water sample was sent to the state laboratory at:
Madison on 12-21 1958
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	10	16
blue "	20	36
sand and gravel	10	46
blue clay	50	96
hard stoney clay	12	108
sand	17	125
lime rock	51	176

Construction of the well was completed on:

----- **Dec. 20** ----- **1958**

The well is terminated -----8----- inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes_____ No_____

Was the well sealed watertight upon completion?

Yes_____ No_____

Signature Frank Lehrke
Registered Well Driller

Rt.2-12344 McShane Rd. Hales Corners

Complete Mail Address Wis.

Please do not write in space below

Rec'd DEC 22 1958 40189
No.

Ans'd

Interpretation

10 ml 10 ml 10 ml 10 ml 10 ml

Gas-24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli

Examiner_____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

Wet. 6

1. County MILWAUKEE { Town ☒ Village ☐ City ☐ **OAK** **RECEIVED**
Sec 4-5 T5NR22E Check one and give name
 FEB 10 1955
 2. Location OAK ST. & HOWELL AVE
Name of street and number of premise or Section, Town and Range number
 3. Owner ☐ or Agent ☒ ST. JOHNS CHURCH - FESS & JANSEN (ARCHITECT)
Name of individual, partnership or firm
 4. Mail Address 11109 W. BLUEMOUND RD. MILWAUKEE, WIS.
Complete address required

5. From well to nearest: Building 20 ft; sewer 35 ft; drain 20 ft; septic tank 100 ft;
 dry well or filter bed 150 ft; abandoned well _____ ft.

6. Well is intended to supply water for: CHURCH & PARSONAGE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	150			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WARRANT	0	131
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	25

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.
 Depth from surface to water-level: 43 ft.
 Water-level when pumping: 43 ft.
 Water sample was sent to the state laboratory at:
MADISON on FEB. 2 1955
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	22
BLUE CLAY	22	35
SAND	35	53
BLUE CLAY	53	130
PARUS HIME	130	171
SOLID LIME	171	180

Construction of the well was completed on:

FEB. 2 1955

The well is terminated 13 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature L. J. Blawie
 Registered Well Driller

5561 So. 6th St. MILWAUKEE 15,
 Complete Mail Address

Please do not write in space below

Rec'd FEB - 3 1955 No. 2777

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. 0

48 hrs. 0

Confirm _____

B. Coli 0/5

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

WEL. 6

1. County MILWAUKEE ⁵²⁵⁻³⁶⁵ Town ☐ Village ☐ City ☒ CUDAHY
 Check one and give name

2. Location 3235 E. PULASKI AVE SW Sec 26 T6N R22E
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ MILTON KATZ
 Name of individual, partnership or firm

4. Mail Address 7120 N. LONG ACRE RD. MILWAUKEE
 Complete address required

5. From well to nearest: Building 10 ft; sewer 12 ft; drain 30 ft; septic tank 50 ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
15	0	20			
6	20	174			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	108
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at:

MADISON on AUG. 25 1958
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
15" BORED WELL	0	20
BLUE CLAY	20	87
HARD PAN	87	102
PORUS LIMB	102	108
SOLID LIMB	108	174

RECEIVED

SEP 3 1958

ENVIRONMENTAL
SANITATION

Construction of the well was completed on:

AUG. 25 1958

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawie 1731 W. PRANK AVE MIL. 15, WI
 Registered Well Driller Complete Mail Address

AUG 27 1958
 Please do not write in space below

Rec'd _____ No. 27633

Ans'd _____

Interpretation _____

SAFE

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli C

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NESWSW Sec 26 T 6 N R 22 E

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Lake ☐ Check one and give name

2. Location 5345 East Buckhorn Avenue, Milwaukee, Wis.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ H. Petashnick
Name of individual, partnership or firm

4. Mail Address 5345 East Buckhorn Ave, Milwaukee, Wis.
Complete address required

RECEIVED
JAN 10 1955
ENVIRONMENTAL
SANITATION

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	212

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std. Wt. Steel	0	156

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	45

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 90 ft.

Water-level when pumping: 120 ft.

Water sample was sent to the state laboratory at:

Madison on Dec. 14 1954
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	1
Yellow clay	1	25
Blue clay	25	145
Hard pan	145	156
Lime stone	156	212

Construction of the well was completed on:

December 13 1954

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature H. Petashnick
Registered Well Driller

7570 So. Howell Ave., Milwaukee 7, Wis.
Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

NOV 16 1943

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Leo Pond Driller Arber & Krumm
 Street or RFD 3130 E. Underwood Ave. Post Office Milwaukee Wisc.
 Post Office Rt. 1 box 55 Cudahy Wisc. Date May 26, '40 Permit No. 36

LOCATION OF PREMISES

Milwaukee Lake
 County Town
N.W. 1/4 of S.W. 1/4 Sec. 26
 Describe further by subdivision, plat, district, lake, lot,
Nicholson & Whitnal aves.
 block, nearest principal highway, etc., whichever apply.

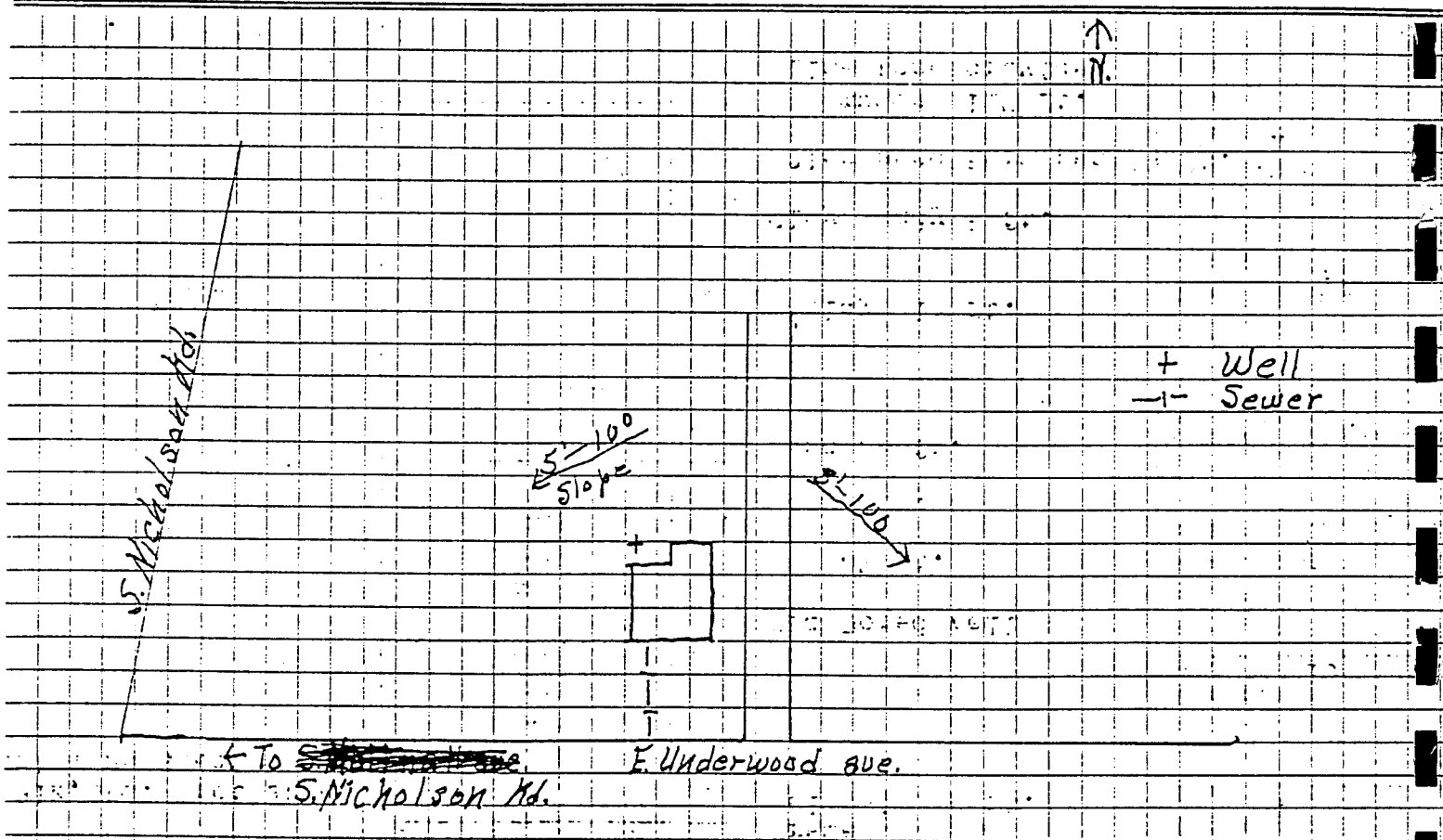
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

x	

N.W.S.W.
 Sec. 26
 Twp. 6
 Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

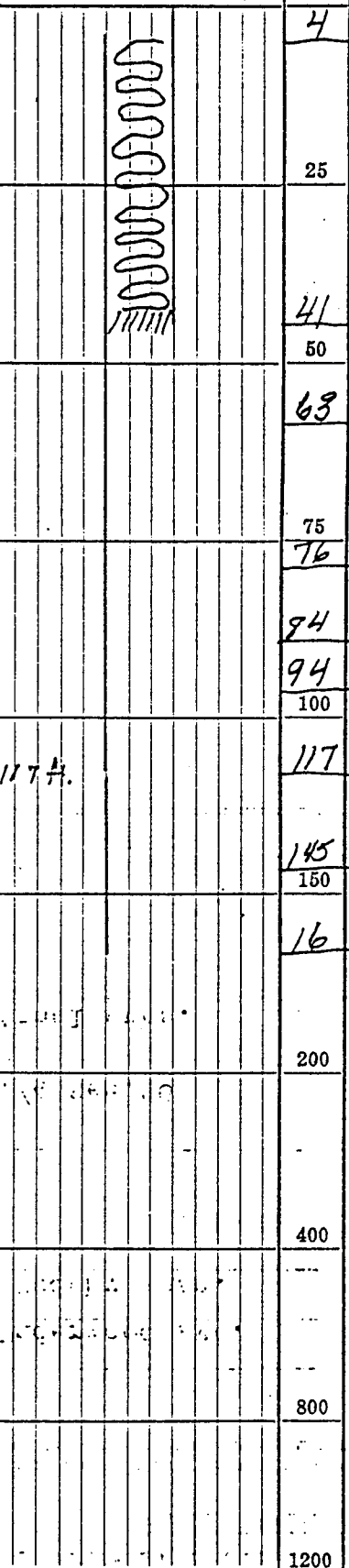
In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

114 ft., 6 in.
Std. Wrot steel
Mills Special Pipe

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth



Grade
Well pit 4 ft.

Old Bored well
37 ft.

Sand 22 ft.

Clay 13 ft.

Clay sandy 8 ft.

Clay sand Hard pan 10 ft.

muddy 117 ft.
Limestone creviced

Limestone Drak 28 ft.

Limestone crev. WB.
15 ft.

Duration of test
Hours 4

Pumping rate
G.P.M. 10

Depth of pump in
well. Ft. 58

Standing water-level
(from surface)
Ft. 26

Water-level when
pumping Ft. 58

Water. End of test.
Clear
Cloudy
Turbid

Was the well sterilized?
Yes ☒ No

To which laboratory was
sample sent?

Kenosha

Date 5/16/40

Was the well sealed on
completion?

Yes ☒ No

pump installed.

How high did you leave the
casing-pipe above grade?

5 in. pit floor.

Well was completed

Date 5/16/40

Well Driller

B. G. Garber
Signature

Draw the diagram to show the
right half only.

Forged steel shoe at 117 ft.

= pipe

= drill hole

= Clay grout

/// - Cement grout

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

Well 6

APR 9 1964
SANTARY
ENGINEERING

1. County MILWAUKEE {Town ☐
Village ☐
City ☒ CUDAHY Check one and give name
2. Location 5085 SOUTH HALL AVE T6N R22E
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ ERVIN ZBICHORSKI SWNW Sec. 26
Name of individual, partnership or firm
4. Mail Address 303 E. ~~W~~ NORWICH AVE MILWAUKEE WIS. 5322
Complete address required
5. From well to nearest: Building 38 ft; sewer NONE ft; drain NONE ft; septic tank NONE ft;
dry well or filter bed NONE ft; abandoned well _____ ft.
6. Well is intended to supply water for: AUTO PAINT SHOP

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
8	21	140			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	108
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.
Depth from surface to water-level: 50 ft.
Water-level when pumping: 125 ft.
Water sample was sent to the state laboratory at:
MADISON on MARCH 31 1964
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	101
POAUS LIME	101	108
SOLID LIME	108	140

Construction of the well was completed on:

MARCH 27 1964

The well is terminated 12 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Leo J. Blawat 1731 W. GRANITE AVE MIL, WIS. 5322
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd APR 1 1964 No. 11867
Ans'd _____
Interpretation _____
SAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml
Gas—24 hrs. _____
48 hrs. _____
Confirm _____
B. Coli 00000
Examiner _____

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

COUNTY MILWAUKEE CHECK ONE ☐ Town ☐ Village ☒ City NAME CUDAHY

2. LOCATION - 1/4 Section Section Township Range
SW, NW, SE 26 1/4 NE 27 6N 22E

OR - Grid or street no. Street name ADDRESS
5015 So. WHITNALL AVE 5015 So. WHITNALL AVE.

AND - If available subdivision name, lot & block no. POST OFFICE
CUDAHY, WISCONSIN

4. Distance in feet from well to nearest: BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN WASTE WATER DRAIN
C. I. TILE C. I. TILE SEWER CONNECTED INDEPENDENT C. I. TILE
(Record answer in appropriate block) 25 N N N N N

CLEAR WATER DRAIN SEPTIC TANK PRIVY SEEPAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE
C. I. TILE N N N N N N N N

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
NONE

Well is intended to supply water for: BODY SHOP

6. DRILLHOLE 9. FORMATIONS

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
<u>10</u>	<u>Surface</u>	<u>99</u>	<u>6</u>	<u>99</u>	<u>158</u>	<u>SANDY CLAY</u>	<u>Surface</u>	<u>36</u>
						<u>SAND</u>	<u>36</u>	<u>41</u>
						<u>CLAY</u>	<u>41</u>	<u>99</u>
						<u>LIMESTONE</u>	<u>99</u>	<u>158</u>

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>P.C. New Steel</u> <u>18.97 # per Ft</u> <u>ASTM-A-53</u> <u>U.S. STEEL</u>	<u>Surface</u>	<u>99</u>

8. GROUT OR OTHER SEALING MATERIAL 10. TYPE OF DRILLING MACHINE USED

Kind	From (ft.)	To (ft.)
<u>DRILLING MUD</u>	<u>Surface</u>	<u>99</u>

☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☒ Rotary - air w/drilling mud ☐ Rotary - hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 3/5 1981

11. MISCELLANEOUS DATA
Yield test: 42 Hrs. at 30 GPM Well is terminated 12 inches ☒ above ☐ below final grade

Depth from surface to normal water level 25 ft. Well disinfected upon completion ☒ Yes ☐ No

Depth to water level when pumping 60 ft. Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Sommer-Frey laboratory on: 6/1 1981

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seal type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE COMPLETE MAIL ADDRESS
Emmanuel Beyer 809 So. 85 St. West
Registered Well Driller AWIS, Wis.

Please do not write in space below

POLIFORM TEST RESULT GAS - 24 HRS. GAS - 48 HRS. CONFIRMED REMARKS

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
<p>94 ft. - 5 in.</p> <p>black standard W. D. pipe</p> <p>Forged steel shoe.</p> <p>dry clay backfill</p> <p>forged shoe</p>		<p>clay hard pan 19'</p> <p>clay 42'-60</p> <p>clay stony 21'-81</p> <p>clay sandy 8'-89</p> <p>gravel muddy 5'-94</p> <p>Limestone 60'-154</p>	<p>Duration of test. Hours <u>3</u></p> <p>Pumping Rate. G. P. M. <u>15</u></p> <p>Depth of pump in well. Ft. <u>32</u></p> <p>Standing water-level (from surface.) Ft. <u>47</u></p> <p>Water level when pumping Ft. <u>60 ft.</u></p> <p>Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/></p> <p>Was well sterilized before test? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Date <u>Dec. 30</u></p> <p>To which Laboratory was sample sent? <u>Neosha</u></p> <p>Date <u>Dec. 31, '38</u></p> <p>Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>How high did you leave casing above grade? <u>6 in.</u></p> <p>Well was completed <u>Dec. 31</u> 19<u>38</u></p> <p>Well Driller: <u>B. J. Gachet</u> Signature</p> <p>(Be sure to complete the report on the reverse side)</p>

PREMISES DIAGRAM

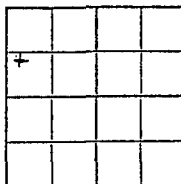
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

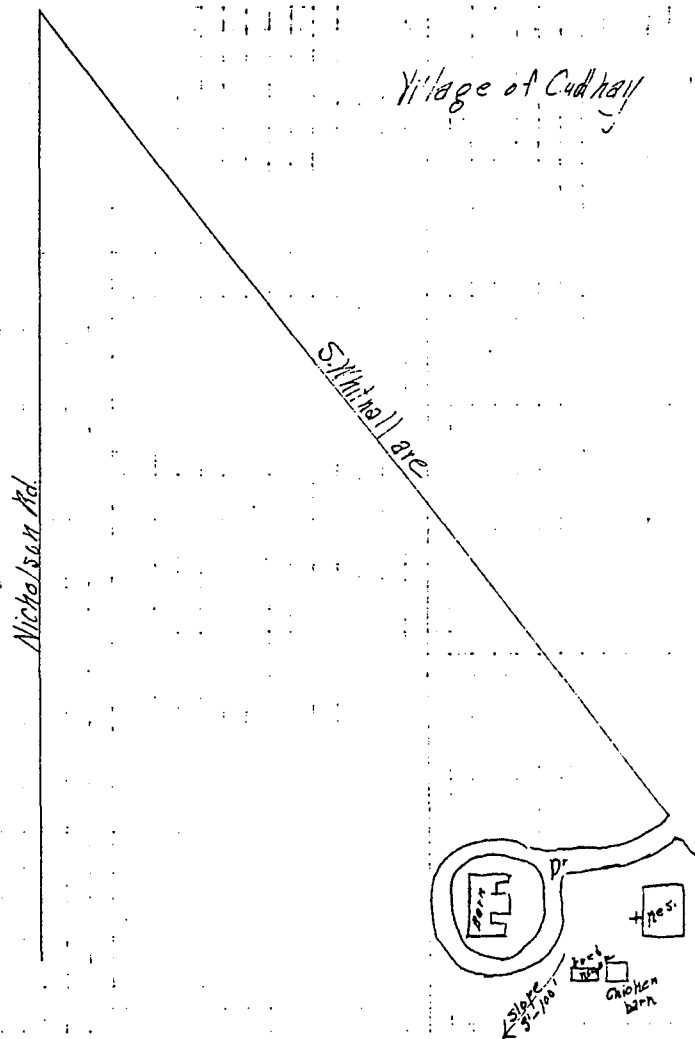
The large square represents one section of land divided into 36 smaller squares. Indicate position of premises in the Section.

NORTH

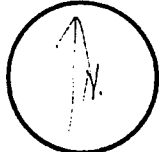


Sec. 26 T. 6 N. R. 20 (E) (W) (Each division equals 10') (If more or less indicate:)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North"
Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Sec 26-27 T6N R22E

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☐ Lake Check one and give name
2. Location East Carpenter + So. Michigan Ave
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☐ Raymond Maher
Name of individual, partnership or firm
4. Mail Address Cudahy - Wis.
Complete address required
5. From well to nearest: Building 15 ft; sewer metropolitan sewer ft; drain 28 ft; septic tank 105 ft;
dry well or filter bed 133 ft; abandoned well 105 ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10"	0	30	6"	30	133

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel Pipe	0	105

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.
Depth from surface to water-level: 30 ft.
Water-level when pumping: 35 ft.
Water sample was sent to the state laboratory at:
Kenosha on 7/2/47 1947
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Drift		
Limestone	105	28

Construction of the well was completed on:

9-2-47 1947

The well is terminated 5 7/8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

L. L. May
Registered Well Driller

Please do not write in space below

13th B-4 437 - Milwaukee - 7 -
Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Milwaukee Town ☐ Cudahy
 Village ☐
 City ☒ Check one and give name
 2. Location Lot no 9 Walbauer Subd.
 Name of street and number of premise or Section, Town and Range numbers
 3. Owner ☒ or Agent ☐ Ray J. Herschleb NOV 1 1955
 Name of individual, partnership or firm
 4. Mail Address 5130 So. Nicholson Ave
 Complete address required
 5. From well to nearest: Building 15 ft; sewer 50 ft; drain 35 ft; septic tank 60 ft;
 dry well or filter bed: ft; abandoned well: ft.

6. Well is intended to supply water for: One Family Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
7	40	137			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel 26 lbs	0	99

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle clay	0	40

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 6 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at:

Madison on Oct 24 1955
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Puddle clay	0	60
Sand	60	65
Hard Pan	65	78
Gravel	78	99
Lime stone	99	137

Construction of the well was completed on:

Oct 23 1955

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Dale Hubner 6830 W Forest Home Ave Mil. Wis.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd. OCT 25 1955 No. 36670

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd

Gas—24 hrs.

Interpretation

48 hrs.

Confirm

B. Coli 9

Examiner

SAFE

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

NOV 3 1981
WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 12-76

JUL 21 1981

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Cudahy</u>	
2. LOCATION <u>SE 27</u> OR - Grid or Street No. <u>3137-3147</u> AND - If available subdivision name, lot & block No.		Section <u>27</u> Township <u>6-N</u> Range <u>22-E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Thomas Hesiak</u> ADDRESS <u>3137-3147 Luzerna Ave.</u> POST OFFICE <u>Cudahy, Wisc.</u>	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>15</u>		Sanitary Bldg. Drain C.I. <u>28</u> Other <u>15</u>	
San. <u>80</u>		Other Sewers C.I. <u>15</u> Other <u>15</u>		Sanitary Bldg. Sewer C.I. <u>15</u> Other <u>15</u>	
Street Sewer <u>80</u>		Foundation Drain Connected to: Sewer <u>15</u> Sewage Sump <u>15</u>		Clearwater Sump <u>15</u>	
Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom	
Well		Nonconforming Existing		Barn Gutter	
Pump				Animal Barn Pen	
Tank				Animal Yard	
Temporary Manure Stack		Watertight Liquid Manure Tank		Silo With Pit	
Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank		Glass Lined Storage Facility	
Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)		Silo w/o Pit	
Earthen Silage Storage Trench Or Pit					
5. Well is intended to supply water for: <u>Duplex-residence</u>		9. FORMATIONS			
6. DRILLHOLE		Kind From (ft.) To (ft.)			
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		Clay Surface 75			
8-3/4 Surface 102 6 102 162		Sandy clay 75 102			
		Rock-lime 102 146			
7. CASING, LINER, CURBING AND SCREEN		Rock-lime water bearing 146 162			
Material, Weight, Specification & Method of Assembly		From (ft.) To (ft.)			
Dia. (in.)		From (ft.) To (ft.)			
6 ASRM A-53		Surface 102			
PE USS new welded		#18:97			
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
Drilling mud Surface 102		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
11. MISCELLANEOUS DATA		Well construction completed on <u>May 26</u> 19 <u>81</u>			
Yield Test: <u>4</u> Hrs. at <u>10</u> GPM		Well is terminated <u>9</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level <u>43</u> Ft.		Well disinfected upon completion <u>OK</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>43</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to <u>Madison</u> laboratory on <u>July 13</u> 19 <u>81</u>					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.		CHARLES GIBOUR & SONS			
Signature <u>Charles Gibour</u> Registered Well Driller		WELL DRILLING & PUMP BOX 322 LANNON WI 53046 255-6252			

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.
WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board
(TO BE USED FOR THAT PURPOSE ONLY)

Owner JOS. PUETZ Driller THEODORE WATRY
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Iron of Lake Milwa Address RT. 1, Box 335
(City, village, township, county) CUDAHY, WIS.
Date of Report 4/1 1937
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: _____
If unincorporated hamlet: _____
If Lake Shore Plat: _____
If Farm: _____
If School: _____
If other public building: _____
Miscellaneous Suburban Kind County Milwa Lake Sec. 27
Kind County County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
<u>111 ft.</u> <u>5" STEEL</u> <u>DRIVE PIPE</u>		<u>CLAY</u> <u>0 - 80 ft.</u> <u>STONY CLAY</u> <u>80 - 110 ft.</u> <u>ROCK</u> <u>110 - 171 ft.</u>	Duration of test. Hours <u>5</u> Pumping Rate. G. P. M. <u>20</u> Depth of pump in well. Ft. <u>115</u> Standing water-level (from surface.) Ft. <u>56</u> Water level when pumping Ft. <u>115</u> Water, End of test. Check: Clear <u>✓</u> Cloudy _____ Turbid _____ Was well sterilized before test? Yes _____ No <u>✓</u> Date _____ To which Laboratory was sample sent? <u>Madison</u> Date <u>3/3/37</u> Was the well sealed on completion? Yes <u>✓</u> No _____ How high did you leave casing above grade? <u>10"</u> Well was completed <u>3/3</u> 19 <u>37</u> Well Driller: <u>Theodore Watry</u> Signature. (Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

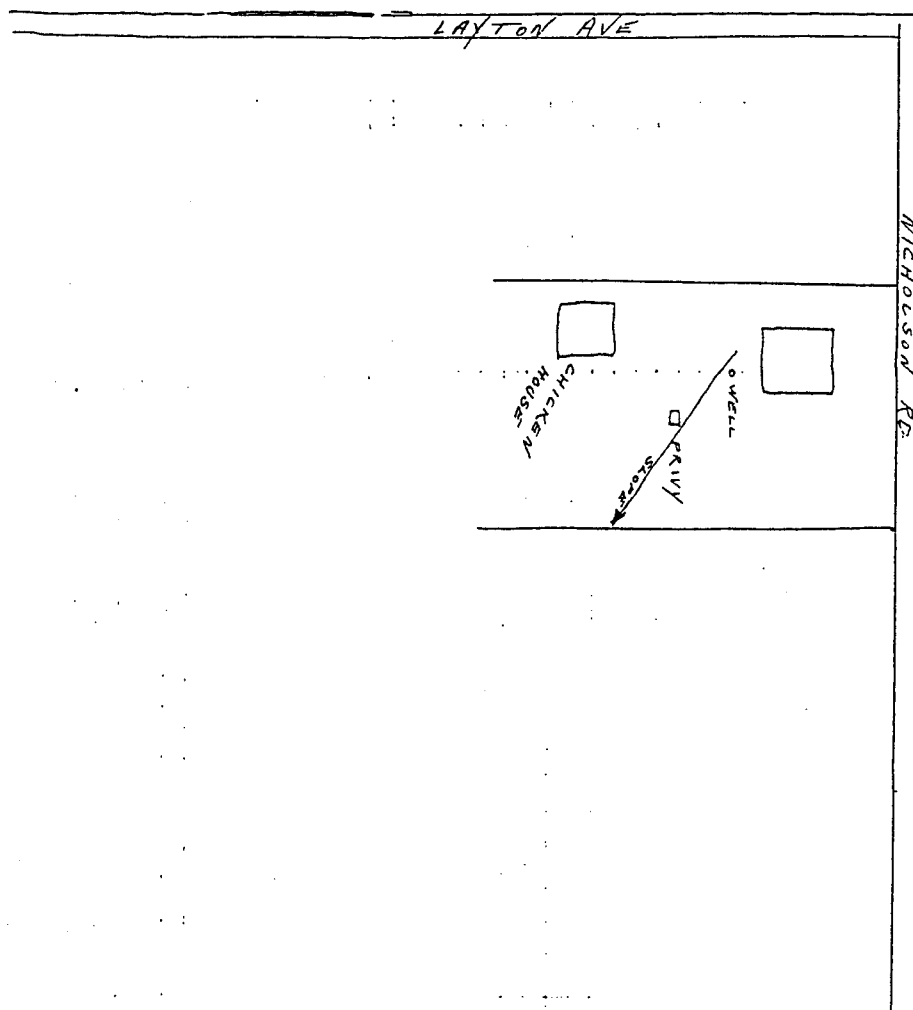
REMARKS :

Indicate position of premises in the Section

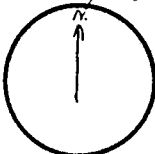
NORTH

Sec 27 T. 6 R. 22 (E) (W)

(Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

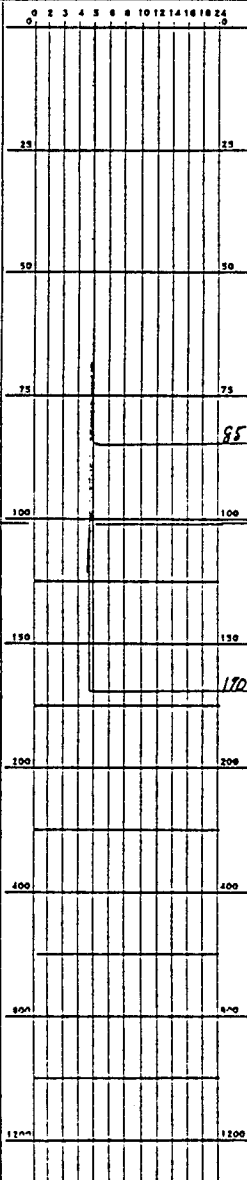
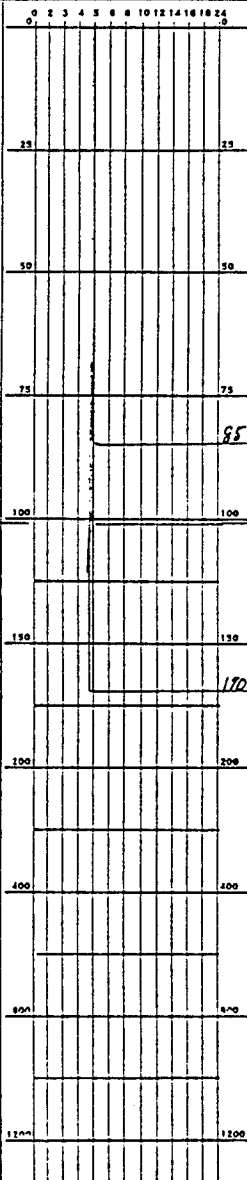
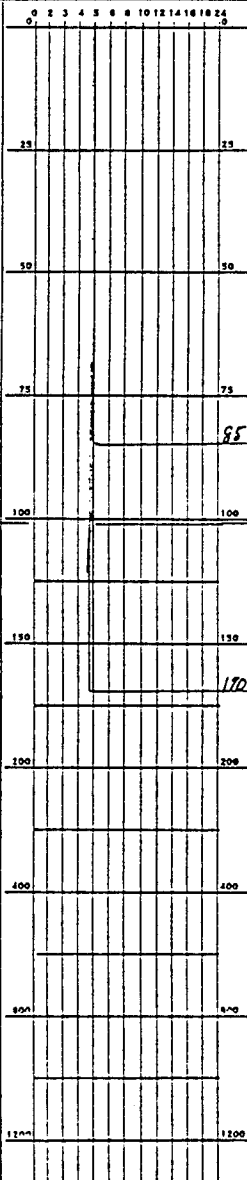
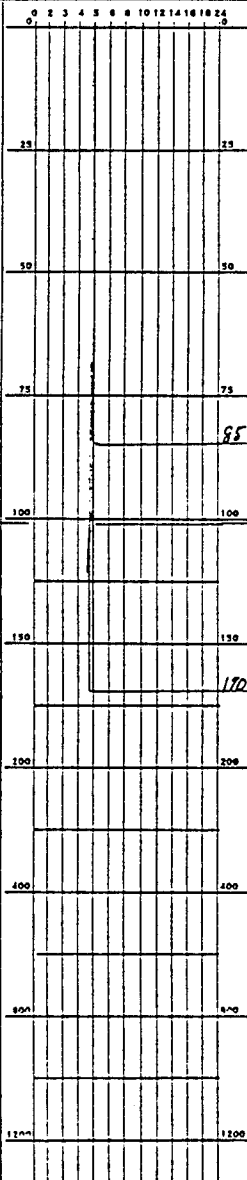
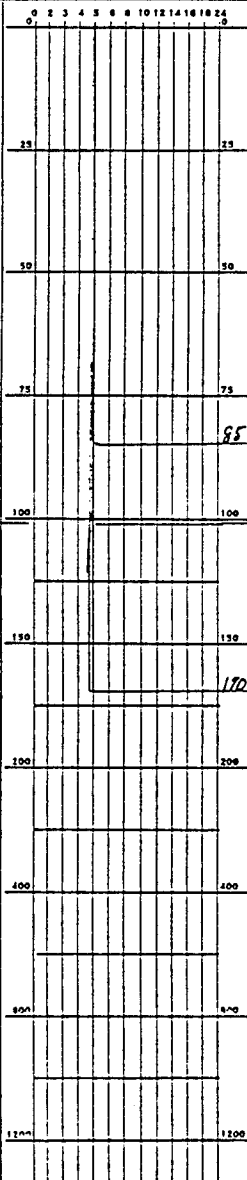
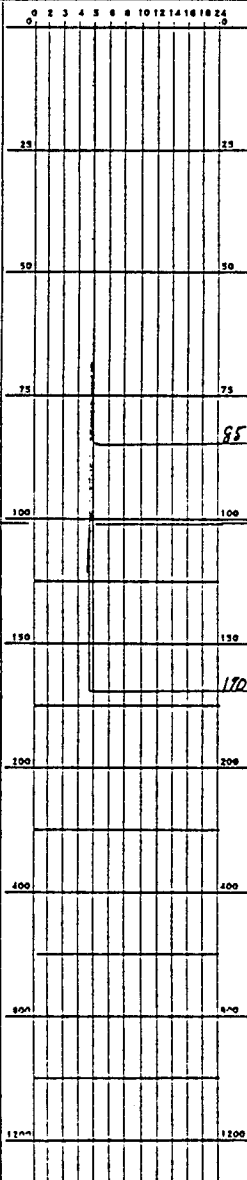
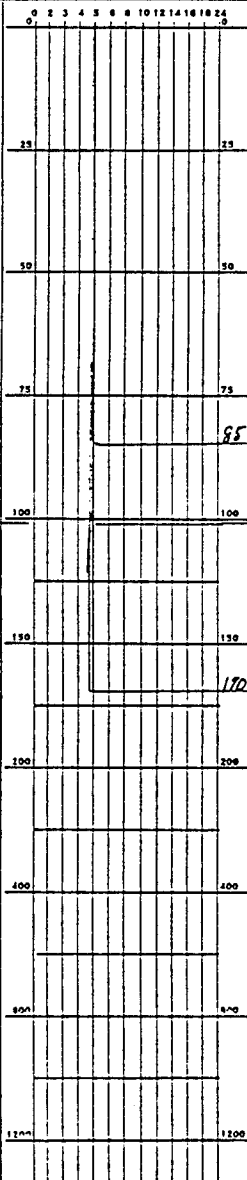
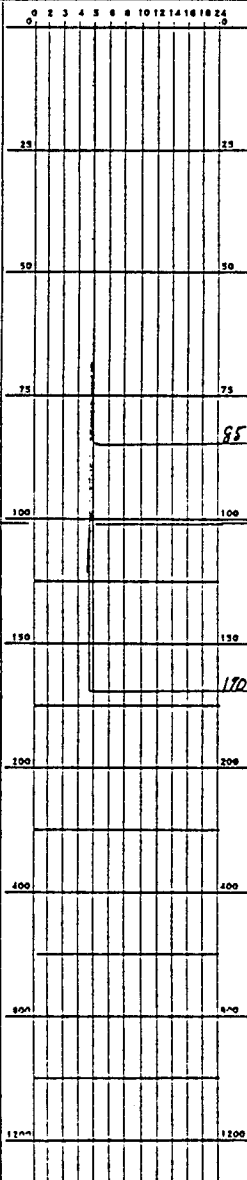
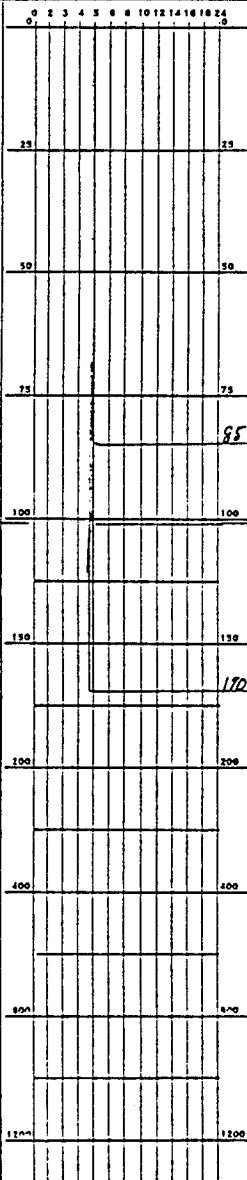
For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Frank Kobussen Driller Lehrke Bros.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address 845 So 85 St.
Address Town of Lake Milwaukee Co West Allis, Wisc.
(City, village, township, county)
Date of Report 4/20 1938
Dayton Ave. West of Nicholson Rd Registration No. 44
Give below the location of the property on which well is drilled.

If incorporated village or city: _____
If unincorporated hamlet _____
If Lake Shore Plat _____
If Subdivision _____
If Farm _____
If School _____
If other public building _____
Name Lot Blk. Street and No.
Name County Twp. Highway
Name of Plat Lake Lot Blk. Street
Name County Twp. Sec. Lot Blk.
County Twp. Sec. Highway
County Twp. Sec. District
Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
104' of 5" Steel drive pipe down 103'		0' TO 85' Clay	Duration of test. Hours <u>6</u> Pumping Rate. G. P. M. <u>15</u> Depth of pump in well. Ft. <u>105</u> Standing water-level (from surface.) Ft. <u>57</u> Water level when pumping Ft. <u>105</u>
5" Forged shoe		85' TO 102' Stony Clay	Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy _____ Turbid _____
		102' TO 170' lime rock	Was well sterilized before test? Yes _____ No <input checked="" type="checkbox"/> Date _____
			To which Laboratory was sample sent? <u>Madison</u> Date <u>4/11/38</u>
			Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No _____
			How high did you leave casing above grade? <u>8"</u>
			Well was completed <u>4/11</u> 19 <u>38</u>
			Well Driller: <u>Wd. Lehrke</u> Signature.
			(Be sure to complete the report on the reverse side)

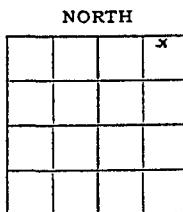
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

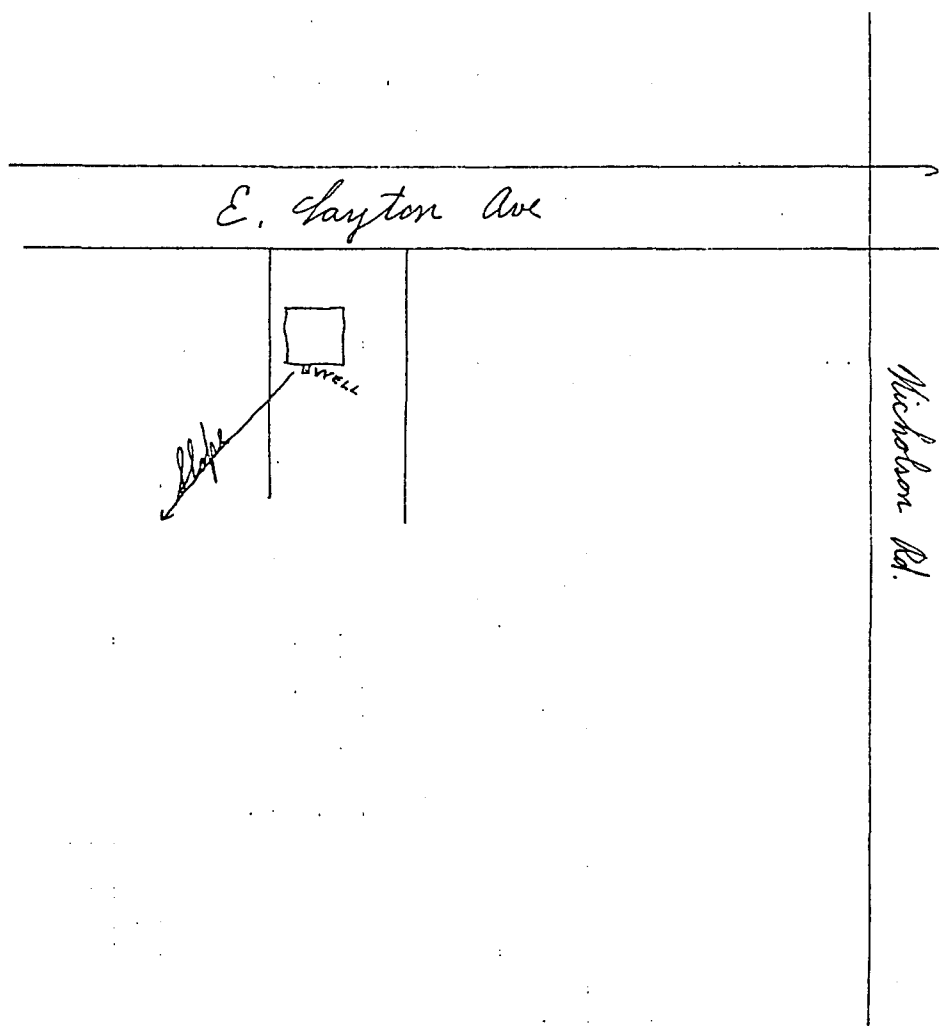
REMARKS : Report blasting and unusual items in this space:

The large square represents one section of land divided into 36 1/4 sections. Indicate the location of premises in the section.

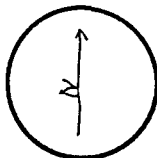


Sec. 27 T. 6 R. 22 (E) (~~W~~) (Each division equals 10') (If more or less indicate:)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North"
Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner JORDAN PUETZ Driller THEODORE WATRY
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address TOWN OF LAKE MILWAUKEE Address RT. 1, BOX 335
(City, village, township, county) CURRY, WIS.
Date of Report 4/1 1937
Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.
If unincorporated hamlet Name County Twp. Highway
If Lake Shore Plat Name of Plat Lake Lot Blk. Street
If Farm County Twp. Sec. Highway
If School County Twp. Sec. District
If other public building
Miscellaneous Suburban Kind Milwaukee County Lake Sec. 27
Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
5" STEEL DRIVE PIPE	0 2 3 4 5 6 8 10 12 14 16 18 24	0-3 ft. PIT	Duration of test. Hours <u>5</u>
	23	CLAY	Pumping Rate. G. P. M. <u>14</u>
	30	3-80 ft.	Depth of pump in well. Ft. <u>115</u>
	75		Standing water-level (from surface.) Ft. <u>56</u>
DOWN 105 FT. FORGED STEEL SHOES	100	STONY CLAY	Water level when pumping Ft. <u>115</u>
	100	80-98 ft.	Water. End of test. Check: Clear <input checked="" type="checkbox"/>
	130	SHELL ROCK 75-105 ft.	Cloudy <input type="checkbox"/>
	130	ROCK	Turbid <input type="checkbox"/>
		105-159 ft.	Was well sterilized before test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
			Date <u>7/22/37</u>
			To which Laboratory was sample sent? <u>Madison</u>
			Date <u>7/22/37</u>
			Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			How high did you leave casing above grade? <u>1 ft. above floor</u>
			Well was completed <u>7/20</u> 19 <u>37</u>
			Well Driller: <u>Theodore Watry</u> Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

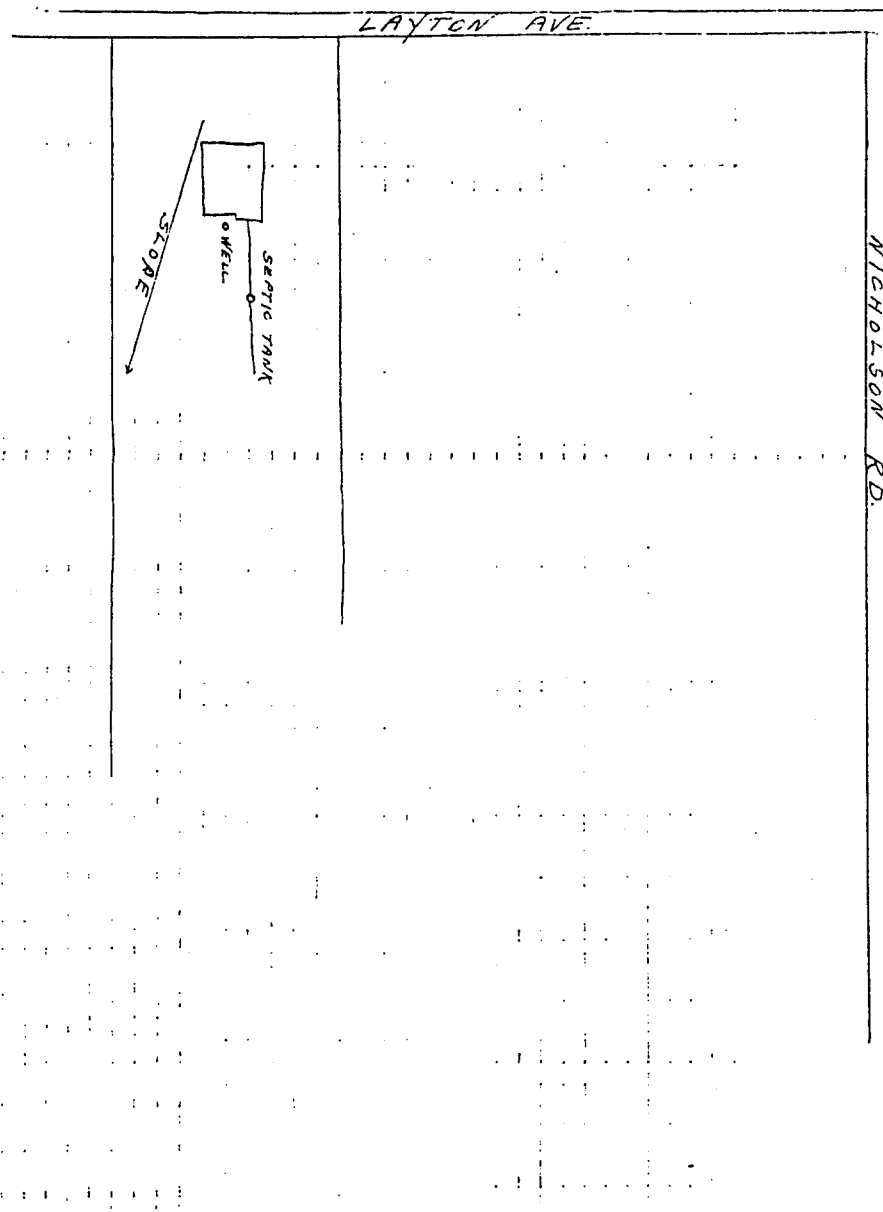
REMARKS :

Indicate position of premises in the Section

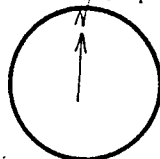
NORTH			
			X

Sec 27 T. 6 R. 22 (E) (NW)

(Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Cudahy
 Village ☐
 City ☒ Check one and give name
2. Location 2801 E. Carpenter Ave.
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Frank Derty
 Name of individual, partnership or firm
4. Mail Address 2801 E. Carpenter Ave.
 Complete address required
5. From well to nearest: Building 6 ft; sewer 25 ft; drain 15 ft; septic tank 30 ft;
 dry well or filter bed 60 ft; abandoned well 7 ft.
6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
6	40	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>puddled clay</u>	0	40

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.
 Depth from surface to water-level: 20 ft.
 Water-level when pumping: 25 ft.
 Water sample was sent to the state laboratory at:
Madison on Dec 11 1956
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>40' of Bored Well</u>	0	40
<u>Clay</u>	40	80
<u>Sand</u>	80	85
<u>Limestone</u>	85	145

RECEIVED

DEC 21 1956

ENVIRONMENTAL
SANITATION

Construction of the well was completed on:

Mar 22 1956

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Art Huebner 1214 So 92 St West Allis Wis.
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd <u>DEC 13</u> No <u>44221</u>	10 ml	10 ml	10 ml	10 ml	10 ml
Ans'd _____	Gas—24 hrs. _____				
Interpretation <u>SAFE</u>	48 hrs. _____				
_____	Confirm _____				
_____	B. Coli _____				
_____	Examiner _____				

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the $\frac{1}{4}$ of the Section, the number of the Town North, and the number of the Range East or West.
If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

Note: The Well Construction Report (Well Log) may be forwarded with the water sample from a newly constructed or reconstructed well, instead of the report requested by the State Laboratory of Hygiene, on the form which accompanies the sample bottle.

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., may be given here:

This well is 6' from the house. I went down a bored well. The septic system is all new and cast iron leaded pipe beyond the tank. The city plumbing inspector checked the entire set up to be sure the customer could have his well in the same place as it was.

DO NOT FILM

If more space is needed another sheet may be attached.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy 1963
 Check one and give name
2. Location 2910 E College Ave Name of street and number of premise or Section, Town and Range numbers ENGINEERING
3. Owner ☒ or Agent ☐ Peter Rzepiowski Name of individual, partnership or firm
4. Mail Address 2910 E College Ave - 4520 Penn Ave Complete address required
5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 50 ft;
 dry well or filter bed 60 ft; abandoned well — ft. JAN 8 1964

6. Well is intended to supply water for: Home SANITARY
7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	28			
6	28	190			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
	6 inch pipe	0	93

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky Clay	0	28

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

Madison on 10/19 1960
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Filling	0	4
Blue Clay	4	64
Sand + Gravel	64	76
Hard pan	76	93
Lime Rock	93	190

Construction of the well was completed on:

10/18 1960

The well is terminated 16 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Lawrence Smith
 Registered Well Driller

Please do not write in space below

Complete Mail Address

6201 W Howard Ave

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

RECEIVED

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Cudahy Village ☐ City ☒ SEP 6 1962
Check one and give name
2. Location 3024 East Collage Ave Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Ed. Kling Name of individual, partnership or firm
4. Mail Address 3024 East Collage Ave, Cudahy 26 W. Complete address required
5. From well to nearest: Building 20 ft; sewer 50 ft; drain 50 ft; septic tank 50 ft;
dry well or filter bed 75 ft; abandoned well None
6. Well is intended to supply water for: Home use

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
7	25	130			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel	0	130

9. GROUT:

Kind	From (ft.)	To (ft.)
Mad	0	25

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 40 GPM.Depth from surface to water-level: 60 ft.Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at:

Madison on 8-29 1962
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	25
Gravel	25	40
Clay	40	90
Gravel	90	110
Sand	110	130

Construction of the well was completed on:

7-2 1962The well is terminated 16 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Registered Well Driller

Please do not write in space below

Complete Mail Address

Rec'd

No. 32929

Ans'd

Interpretation UNSAFE—BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH Well 6
See Instructions on Reverse Side

1. County Milwaukee Town ☐
Village ☐
City ☒ Cudahy Check one and give name APR 20 1964
2. Location 2731 E. Carpenter W 1/2 NE Sec 27 T6N R22E ST. TAYLOR
Name of street and number of premise or section, Town and Range numbers COUNTY
3. Owner ☒ or Agent ☐ James Freeman Name of individual, partnership or firm
4. Mail Address 2731 E. Carpenter, Cudahy, Wis.
Complete address required
5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank 27 ft;
dry well or filter bed 55 ft; abandoned well - ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	86			
6	86	128			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	std. steel	0	86

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	86

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 12 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at:

_____ on _____ 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	0	5
blue clay	5	79
hardpan	79	83
limerock	83	128

Construction of the well was completed on:

3/16 1964

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes x No _____

Was the well sealed watertight upon completion?

Yes x No _____

Signature Richard Berkholtz
Registered Well Driller
Richard Berkholtz, President

ACKER BERKHOLTZ COMPANY INC.
1170 Forest Lane, Brookfield, Wis. 53005
Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

W/12 NES 22-7-54 22-25

1. County Milwaukee ^{445-24E} Town ☐ Village ☐ City ☐ Cudahy Check one and give name
2. Location 2701 East Carpenter Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☐ Al Wasielewski Name of individual, partnership or firm
4. Mail Address 2701 East Carpenter Cudahy Wis Complete address required
5. From well to nearest: Building 14 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft; dry well or filter bed _____ ft; abandoned well _____ ft.
6. Well is intended to supply water for: home

RECEIVED
MAY 16 1956

ENVIRONMENTAL
SANITATION

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	101			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	88

9. GROUT:

Kind	From (ft.)	To (ft.)
Truss cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 1.5 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 0.0 ft.

Water sample was sent to the state laboratory at:

Madison on May 9 1954
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sand clay	30	32
blue clay	50	82
hard pan	6	88
lime stone	63	101

Construction of the well was completed on:

May 8 1954

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Leonard Gullowski
Registered Well Driller

7570 So Howell Mil Wis
Complete Mail Address

Please do not write in space below

Rec'd _____ No 13278

Ans'd _____

Interpretation _____

SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. + c + c +

48 hrs. + c + c +

Confirm + c + c +

B. Coli + c + c +

Examiner _____

SENE Sec 27 T6N R22E

JAN 6 1948

- 7. DRILLHOLE OR EXCAVATION:**

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 50 ft.

Water-level when pumping: 63.6 ft.

Water sample sent to laboratory at
Asacha on 7/2/46 1946

Signature W. J. May
Registered Well Driller

10. FORMATIONS:

[illegible]

Construction of the well was completed on 7/2/46 1946

The well is terminated _____ inches
(above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No _____

Was the well sealed watertight upon completion?
Yes-----No-----

Yes _____ No _____
E-1 B. J. J.

 Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NESENE Sec 27 T6N R22E

1. County Milwaukee { Town ☒ Village ☐ City ☐ Lake ☐ Check one and give name

2. Location 4901 S. Nicholson Rd.
Name of street and number of premise or Sec., T. and R. numbers.

3. Owner ☒ or Agent ☐ Alex Matulas
Name of individual, partnership or firm. **RECEIVED** JUN 21 1955

4. Mail Address 4901 S. Nicholson Ave. Milwaukee ENVIRONMENTAL SANITATION
Complete address required

5. From well to nearest: Building 5 ft; sewer XX ft; drain XX ft; septic tank 45 ft;
dry well or filter bed 50 ft; abandoned well 60 ft.

6. Well is intended to supply water for: Tavern & Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
8	0	22
6	0	177

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk. std	19.45	0
			88

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Well pit		7
clay	36	43
clay sandy	20	63
sand	7	70
hardpan clay gravel	25	95
limestone	35	130
limestone Crev.	6	136
limestone	23	159
limestone WB	18	177

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 7 GPM.

Depth from surface to water: 38 ft.

Water-level when pumping: 63 ft.

Water sample sent to laboratory at
Kenosha on 8/1 19 42

8/27 42

Signature Arber & Krumm
Registered Well Driller

Construction of the well was completed on
Aug. 1 19 42

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes ☒ No ☐

Was the well sealed watertight upon completion?
Yes ☒ No ☐

5807 W. Hampton Rd Milwaukee 16
Complete Mail Address

See Instructions on Reverse Side

RECEIVED

JAN 26 1949

~~BUREAU~~
~~SAN LING~~

- 7. DRILLHOLE:**

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 6 GPM.

Depth from surface to water: 50 ft.

Water-level when pumping: 36 ft.

Water sample sent to laboratory at

Melison on Oct 20 1948

Signature

Registered Well Driller

10. FORMATIONS:

[illegible]

Construction of the well was completed on

Oct 20 1948

The well is terminated -----6----- inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ✓ No -----

Was the well sealed watertight upon completion?

Yes / No _____

Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

JAN 8 / 1948

1. County MILWAUKEE { Town LAKE
Village
City

2. Location SEC-28-R22-E T-6-N

3. Owner or Agent ROBERT WETTENGEL

4. Address SO. HOWELL & W. COLLEGE

5. From well to nearest: Building 15 ft; sewer _____ ft; drain 15 ft; septic tank 50 ft;
dry well or filter bed 75 ft; abandoned well NONE ft.

6. Well is intended to supply water for: HOUSE HOLD

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>0</u>	<u>25</u>

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
<u>6</u>	<u>STEEL</u>	<u>0</u>	<u>110</u>

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>PUDDLE CLAY</u>	<u>0</u>	<u>25</u>

10. FORMATIONS:

Kind	Thick-ness (ft.)	Total Depth (ft.)
<u>RED CLAY</u>	<u>20</u>	<u>20</u>
<u>BLUE CLAY</u>	<u>60</u>	<u>80</u>
<u>STONY CLAY</u>	<u>30</u>	<u>110</u>
<u>LIMESTONE</u>	<u>29</u>	<u>139</u>

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 50 ft.

Water sample sent to laboratory at
MADISON on 7-24 1946

Construction of the well was completed on 7-24-46 1946

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes X No _____

Was the well sealed watertight upon completion?
Yes X No _____

Signature Harvey Acker
Registered Well Driller

7316 W. Coldspring
Complete Mail Address
West Allis

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

5ESWSWSec3T5N22E See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☐ Oak Creek Check one and give name
2. Location 1912 East Ransom Ave Mil It is
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☐ Barney B. Vondra
Name of individual, partnership or firm
4. Mail Address 1716 Minnesota Ave South Mil
Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	184			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Gravel cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.

Depth from surface to water-level: 3.5 ft.

Water-level when pumping: 8.5 ft.

Water sample was sent to the state laboratory at:

Madison on Jan 18 1956
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow-clay	18	19
blue clay	85	104
hard pan	11	115
lime stone	71	186

Construction of the well was completed on:

Jan 13 1956

The well is terminated 6 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes Y No _____

Was the well sealed watertight upon completion?

Yes Y No _____

Signature Lawrence S. Lyskowski
Registered Well Driller

7570 So. Howell Mil It is
Complete Mail Address

Please do not write in space below

Rec'd JAN 19 1956 No. 1614

Ans'd _____

Interpretation SAFE

Gas—24 hrs. _____

48 hrs. 9

Confirm _____

B. Coli 0/5

Examiner _____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH SEP 3 1941
WELL CONSTRUCTION DIVISION

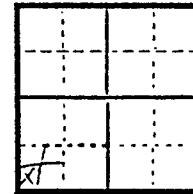
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Mrs. G. Lentz Driller M. Asker & Sons
Street or RFD W. Grange Ave & Howell Post Office P. O. Monticello
Post Office Town of Lake Date Aug 30 Permit No. 90

LOCATION OF PREMISES

Milwaukee Lake
County Town
East of Howell Ave on Grange Ave
Describe further by subdivision, plat, district, lake, lot,
on south side of street
block, nearest principal highway, etc., whichever apply.
abt 5500 So Howell

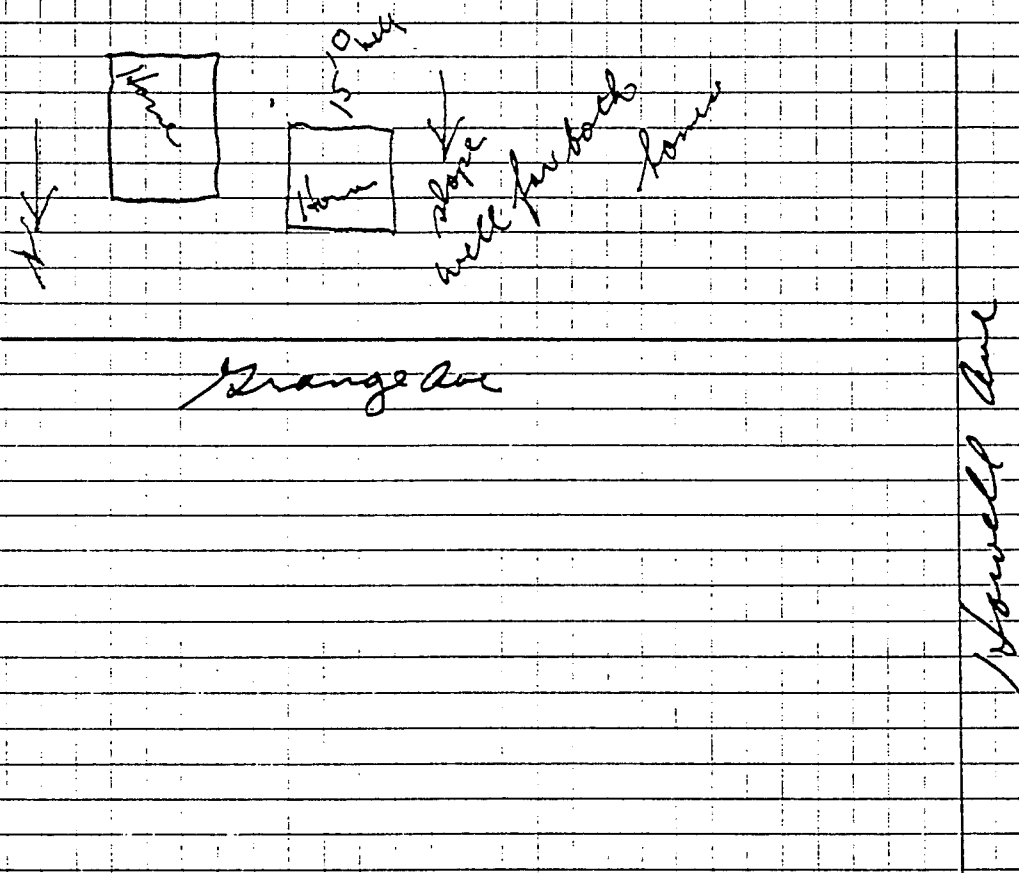
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. No. 28
Twp. No. 6N
Range 2E { W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

std wt steel 6" steel pipe

forged steel shoe

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth

25

40

50

70

75

85

100

150

200

400

800

1200

25' Red clay

15' blue clay

30' Hardpan

15' sand

15' fine rock water bearing

Duration of test

Hours 4

Pumping rate

G.P.M. 15

Depth of pump in

well. Ft. 40

Standing water-level
(from surface)

Ft. 20

Water-level when

pumping Ft. 22

Water. End of test.

Clear

Cloudy

Turbid

Was the well sterilized?

Yes No

To which laboratory wa
sample sent?

Madison

Date Aug 28

Was the well sealed o
completion?

Yes No

How high did you leave th
casing-pipe above grade?

6"

Well was completed

Date Aug 28

Well Driller

Clarence Asher
Signature

Draw the diagram to show the
right half only

Key.

= pipe

= mud grant

= drill hole

INSTRUCTIONS

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

- Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.
- Line 2. If Rural: Give the number and the $\frac{1}{4}$ of the $\frac{1}{4}$ of the Section, the number of the Town North and the number of the Range East or West.
If Urban: Give the name of the Street and the number of the Premise.
- Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.
- Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
- Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards: _____

Pump not installed by us

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here: _____

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Mrs. J. Hawley Driller Lehke Bros.
(If a joint ownership give name of responsible party. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Town of Lake Address 845 E. 85 St.
(City, village, township, county) West Allis, Wisconsin
Date of Report Dec 27 1938
Howell Rd. Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: _____
If unincorporated hamlet: _____
If Lake Shore Plat: _____
If Subdivision: _____
If Farm: _____
If School: _____
If other public building: _____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
82' of 5" steel drive pipe		0' TO 30' Clay	Duration of test. Hours <u>5</u>
down 81'		30' TO 77' Stony Clay	Pumping Rate. G. P. M. <u>10</u>
		77' TO 81' soft rock	Depth of pump in well. Ft. <u>100</u>
5" forged shoe		81' TO 142' lime rock	Standing water-level (from surface.) Ft. <u>10</u>
			Water level when pumping Ft. <u>100</u>
			Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/>
			Was well sterilized before test? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Date <u>11/11/38</u>
			To which Laboratory was sample sent? <u>Menasha</u>
			Date <u>11/12/38</u>
			Was the well sealed on completion? Yes <u>hand pump</u> No <u>with seal</u>
			How high did you leave casing above grade? <u>8"</u>
			Well was completed <u>11/12</u> 19 <u>38</u>
			Well Driller: <u>W. Lehke</u> Signature.
			(Be sure to complete the report on the reverse side)

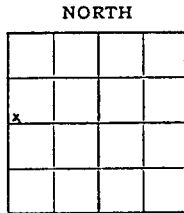
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS : Report blasting and unusual items in this space:

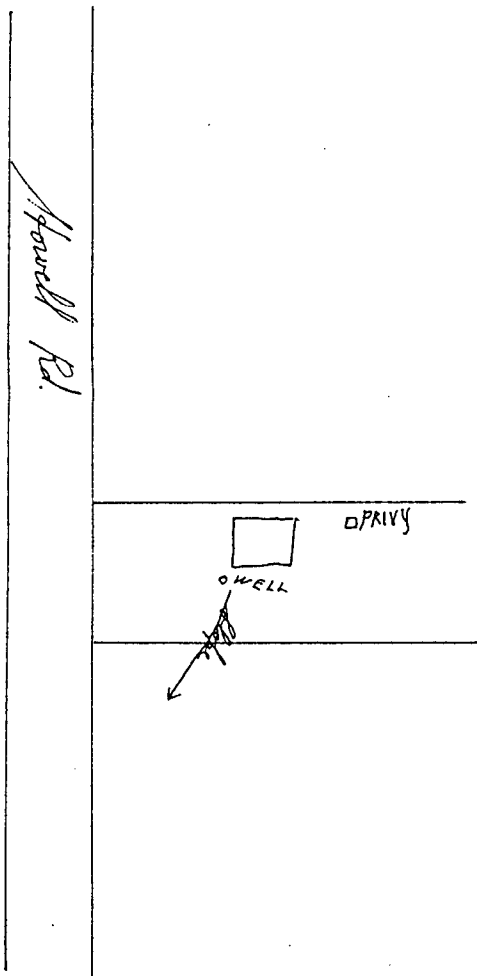
The large square represents one Section of land divided into 36 smaller squares. Indicate position of premises in the Section.



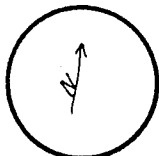
Sec. 28 T. 6 R. 22 (E) ~~(SW)~~ (Each division equals 10') (If more or less indicate:)

DRAW PREMISES DIAGRAM BELOW.

(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

NE SE 2P T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Joe Swidurski Driller L. L. May
 (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
 Address R-1 Cedarby Dr.
 Address 1163 E Carpenter Ave.
 (City, village, township, county)
 Date of Report Oct 22 1937
 Registration No. 392

Give below the location of the property on which well is drilled.

If incorporated village or city: Town of Lake

If unincorporated hamlet _____

If Lake Shore Plat _____

If Farm _____

If School _____

If other public building _____

Miscellaneous Private

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth.	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
5" Water Well Casing			Duration of test. Hours <u>5</u>
5" Forged Steel Drive Shoe			Pumping Rate. G. P. M. <u>9</u>
			Depth of pump in well. Ft. <u>54</u>
			Standing water-level (from surface.) Ft. <u>40</u>
			Water level when pumping Ft. <u>40</u>
			Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy _____ Turbid _____
			Was well sterilized before test? Yes <input checked="" type="checkbox"/> No _____
			Date _____
			To which Laboratory was sample sent? <u>Opadison</u>
			Date _____
			Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No _____
			How high did you leave casing above grade? <u>1 ft</u>
			Well was completed <u>1937</u>
			Well Driller: <u>L. L. May</u> Signature.
			(Be sure to complete the report on the reverse side)

85 ft to rock

143 ft to clay

0075-1947

7. DRILLHOLE OR EXCAVATION:

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 10 GPM.

Depth from surface to water: 60 ft.

Water-level when pumping: 42 ft.

Water sample sent to laboratory at
Kennel on 11/26/67 1967

Signature J. F. May
Registered Well Driller

10. FORMATIONS:

[illegible]

Construction of the well was completed on 11/26/46 1946

The well is terminated 2 ft inches
(above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes----- No-----

Was the well sealed watertight upon completion?

Yes ☒ No ☐
Complete Mail Address _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

OCT 21 1947

1. County Milwaukee { Town of Lake
Village
City
2. Location Sec 32-33 T6N R22E
3. Owner or Agent Mr. Carson
4. Address 3 blocks north of College on Howell
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.
6. Well is intended to supply water for: House

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10 "	0	70
6 "	70	113
	gravel bottom	

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6 "	pipe	0	113

9. GROUT:

Kind	From (ft.)	To (ft.)
mud		

10. FORMATIONS:

Kind	Thick-ness (ft.)	Total Depth (ft.)
top soil-red clay	0	21
blue clay	21	70
gravel & sand	70	72
blue clay	72	108
hardpan	108	113

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.
Depth from surface to water: 40 ft.
Water-level when pumping: 45 ft.

Water sample sent to laboratory at
Kennecott on 5/9/47 19__

Signature L. L. May
Registered Well Driller

Construction of the well was completed on 5/9/47 19__

The well is terminated 1 ft. inches
(above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ☒ No _____

Was the well sealed watertight upon completion?
Yes ☒ No _____

R #1 - Cudahy
Complete Mail Address

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

NOV 16 1943

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

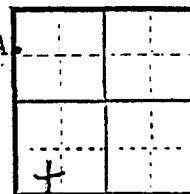
Owner Louis Hemmer Driller Arber & Krumm
 Street or RFD 402 E. College Ave. Post Office Milwaukee Wisconsin
 Post Office So. Milwaukee Wisconsin Date Jan. 22, 1941 Permit No. 36

LOCATION OF PREMISES

Milwaukee County Lake Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

The W. 293 1/3 Ft. of the S. 15 A. of W. 1/2 of S. 60A
 Describe further by subdivision, plat, district, lake, lot,
 of S. W. 1/4 Sec. 33 T. 6 N. R. 22 E.
 block, nearest principal highway, etc., whichever apply.



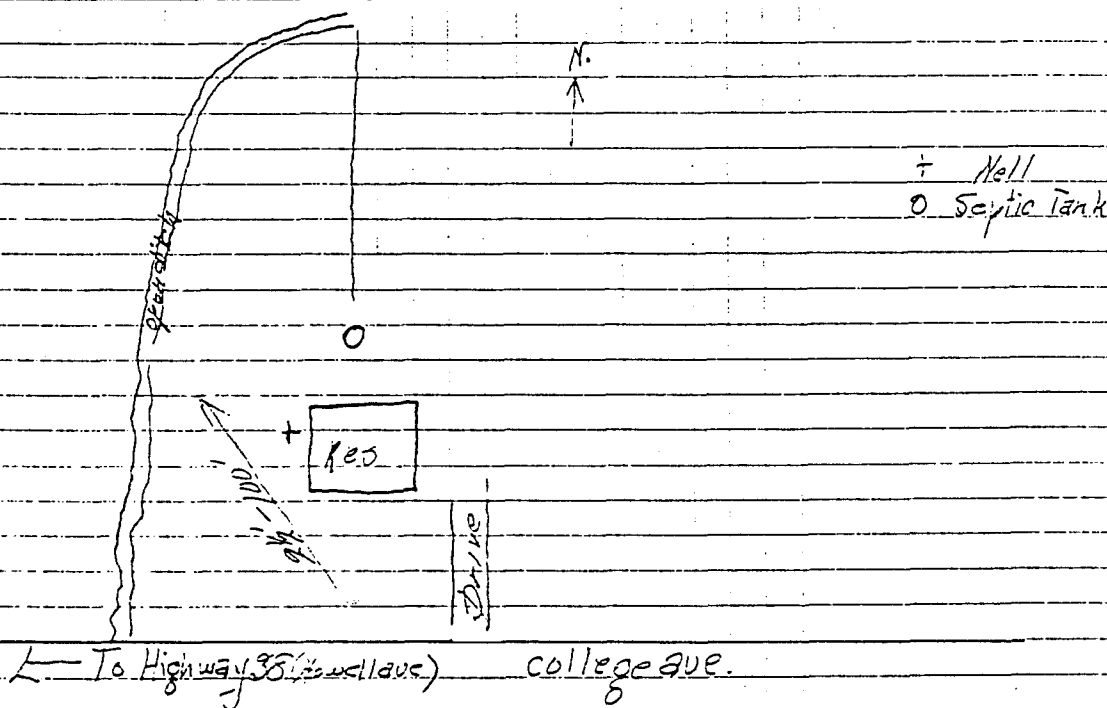
SW
 Sec. 33
 Twp. 6N.
 Range 22 { E W }

Wis. Highway 38, and College Ave.

6300 So Howell

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing
or liner pipe. Use black for
drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

119 ft, 6 in.
black std. wrought
steel pipe

forged steel
Shoe 118 ft. 6 in.

! = pipe
! = drill hole
S = claygrout

[illegible]

Grade	
fill top soil Clay	18
sand clay	14
clay	18
sand & gravel	12
clay	12
Gravel	14
limestone gravel "W.B."	14 ft.

Duration of test
Hours 2 1/2

Pumping rate
G.P.M. 15

Depth of pump in
well. Ft. 54

Standing water-level
(from surface)
Ft. 33

Water-level when
pumping Ft. 33

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory
sample sent?
Menasha

Date 1-22-41

Was the well sealed
completion?
Yes ☒ No ☐

How high did you leave
casing-pipe above grade?
18 in.

Well was completed
Date 1-22-41

Well Driller
B. J. J. J. J.
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

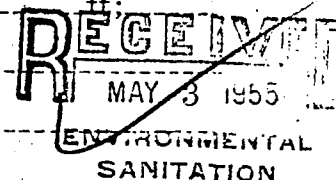
1. County Franklin SWSW, SW, Sec 33, T6N R22E (Town ☐ Village ☐ City ☐ City of Franklin Check one and give name

2. Location 6280 So Lowell Trail It is
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ John J. Steiner Contractor Builder
Name of individual, partnership or firm

4. Mail Address 2618 North 4th St Franklin Wis
Complete address required

5. From well to nearest: Building 14 ft; sewer ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well ft.



6. Well is intended to supply water for: Trifling Station

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
Brick cutting	0	20

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 15 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 5.5 ft.

Water sample was sent to the state laboratory at:

Madison on April 24 1955
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	1
yellow clay	15	16
sandy clay	30	46
blue clay	70	116
hard pan	4	120
Limer stone	50	170

Construction of the well was completed on:

April 23 1955

The well is terminated 6 inches

☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature John J. Steiner
Registered Well Driller

7570 So Lowell Trail It is
Complete Mail Address

Please do not write in space below

Rec'd APR 25 1955 No. 9616

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd

Gas—24 hrs.

Interpretation SAFE

48 hrs.

Confirm

B. Coli 0/5

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

RECEIVED
JUL 10 1950
SAND BEAU
ENG.

1. County Milwaukee Town ☒ Village ☐ City ☐ Lake
SW 5/8 Sec 33 T6N R22E Check one and give name
2. Location 460 E College Ave
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ John Rybicki
Name of individual, partnership or firm
4. Mail Address 460 E Rybicki
Complete address required
5. From well to nearest: Building 10 ft; sewer 25 ft; drain 15 ft; septic tank - ft;
dry well or filter bed - ft; abandoned well - ft.
6. Well is intended to supply water for: _____

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	25			
6	25	125			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	123

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	25

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.
Depth from surface to water-level: 35 ft.
Water-level when pumping: 40 ft.
Water sample was sent to the state laboratory at:
Kenosha on June 27 1950
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	70
Stony Clay	70	85
Sand & gravel	85	125
Limestone	123	125

Construction of the well was completed on:

June 26 1950

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature W. L. Schike R.L. 845 So 85th - Waukegan 14 - Wis
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd 6-28-50 No. 10700

Ans'd 6-28-50

Interpretation None

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. - - - - -

48 hrs. - - - - -

Confirm - - - - -

B. Coli - - - - -

Examiner - - - - -

AUG 24 1945

7. DRILLHOLE OR EXCAVATION:

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: -----34----- ft.

Water-level when pumping: -----⁴⁵ ft.

Water sample sent to laboratory at

Kenosha on June 28 1945

Signature

W. L. Luke Co
Registered Well Driller

Grace Luke

10. FORMATIONS:

[illegible]

Construction of the well was completed on _____
June 28 19 45

The well is ~~terminated~~ ⁸ inches
(above) (below) the permanent grade.

Was the well disinfected upon completion?

Yes_____ * _____ No_____

Was the well sealed watertight upon completion?

Yes_____ No_____

845: So 8520.

Complete Mail Address.

West Allis, 4 - W no

AUG 21 1947

7. DRILLHOLE OR EXCAVATION:

8. CASING AND LINER PIPE OR CURBING:

9. GROUT:

11. MISCELLANEOUS DATA:

10. FORMATIONS:

Construction of the well was completed on _____
7/5/47 _____ 19____

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No

9310 W. Goldspring Rd. Milw. 14 Wis.
Complete Mail Address

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Frank Michalski Driller Shurke Bros.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Town of Lake, Milwaukee Co Address 845 E 85 St
(City, village, township, county) West Allis, Wisc
La Howell Rd & W Birchwood Ave Date of Report July 2 1938
Give below the location of the property on which well is drilled. Registration No. 44

If incorporated village or city: _____
If unincorporated hamlet _____
If Lake Shore Plat _____
If Subdivision _____
If Farm _____
If School _____
If other public building _____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
96' of 5" steel drive pipe down 95'	0 2 3 4 5 6 8 10 12 14 16 18 20	0' TO 80' Clay	Duration of test. Hours <u>4</u> Pumping Rate. G. P. M. <u>15</u> Depth of pump in well. Ft. <u>80</u> Standing water-level (from surface.) Ft. <u>30</u> Water level when pumping Ft. <u>80</u>
	25 50 75 100	80' TO 94' Stony Clay	Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy _____ Turbid _____
	100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200	94' TO 141' Lime rock	Was well sterilized before test? Yes <input checked="" type="checkbox"/> No _____ Date <u>6/12/38</u> To which Laboratory was sample sent? <u>Kenosha</u> Date <u>6/13/38</u> Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No _____ How high did you leave casing above grade? <u>1' above grade</u> Well was completed <u>6/13</u> 19 <u>38</u> Well Driller: <u>W. Shurke</u> Signature. (Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

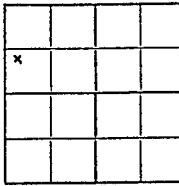
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS : Report blasting and unusual items in this space:

The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

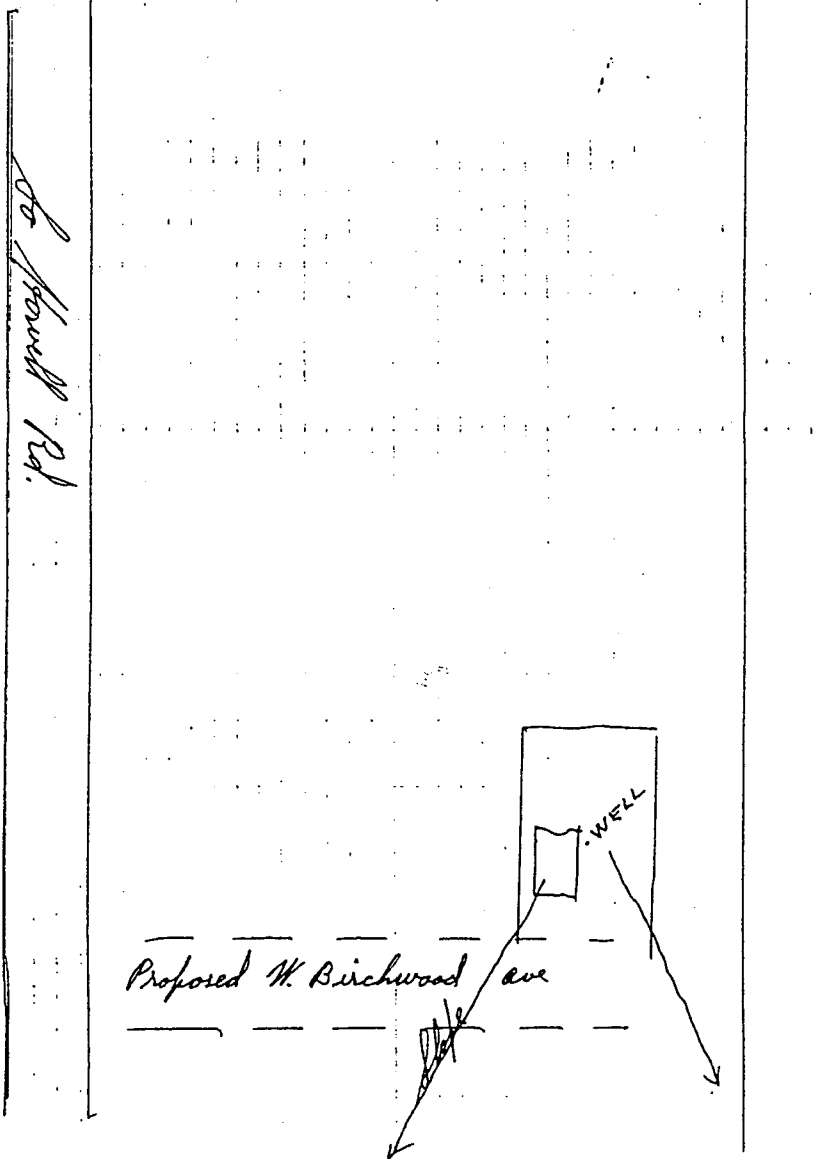
NORTH



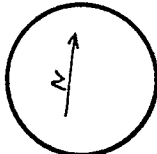
Place not completed

Sec. 93 T. 6 R. 22 (E) 68 (Each division equals 10') (If more or less indicate:)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North"
Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

OCT 11 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

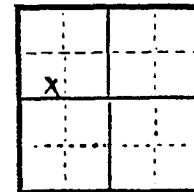
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Albert Schauer Driller Lehrke Bros
Street or RFD 3139 So. Mabbot Ave Post Office 845 So. 85th W. Allis
Post Office Milwaukee Wis. Date Sept. 24, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
County Town
2311 1/2 East of So. Howell Rd
Describe further by subdivision, plat, district, lake, lot,
and 1 mile So. of Grange.
block, nearest principal highway, etc., whichever apply.

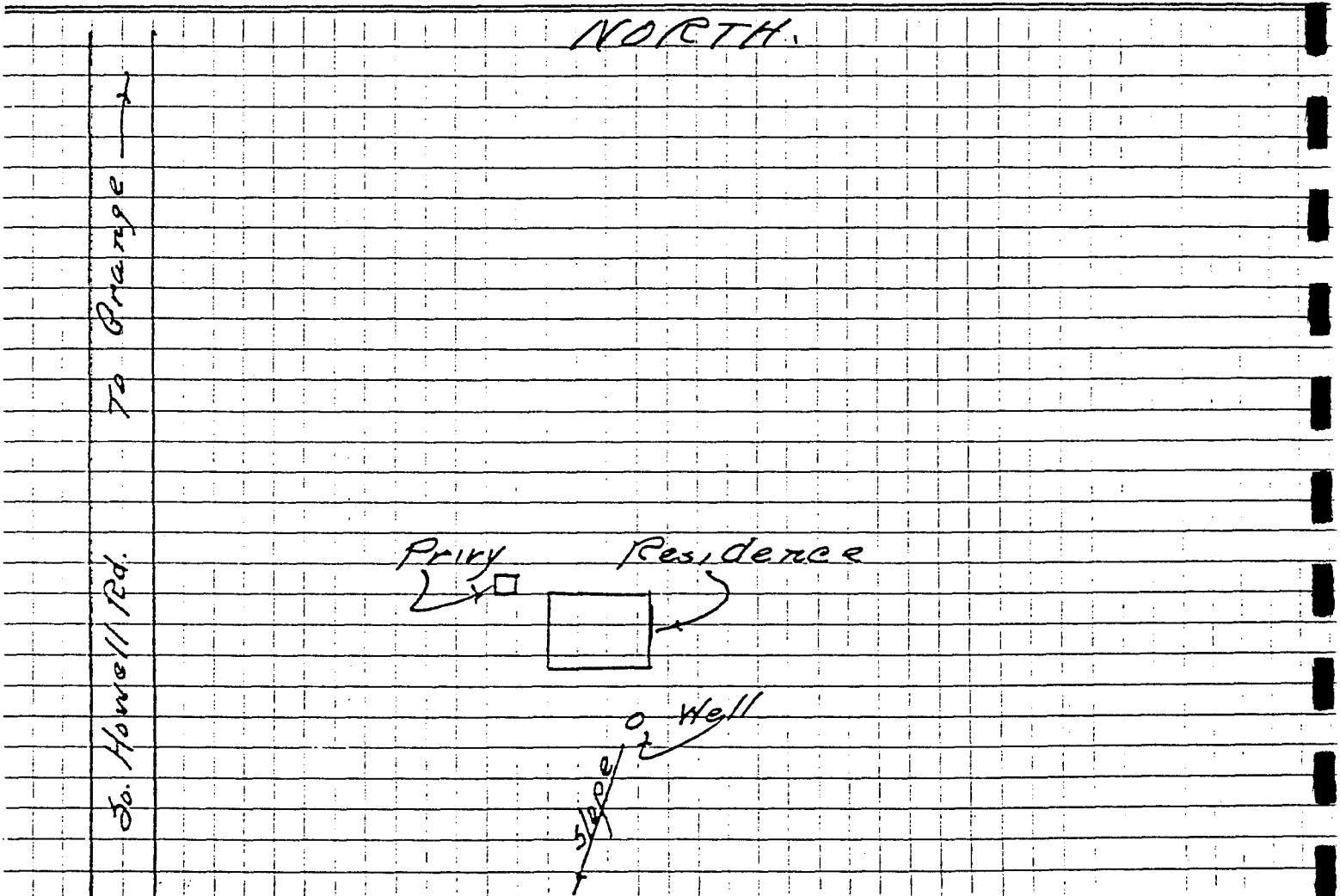
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 33
Twp. 6
Range 22 { E
W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

<p>In this column indicate the kind of casing, liner, shoe and other accessories used.</p>	<p>WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.</p>	<p>In this column state the kind of formations penetrated, their thickness in feet and if water bearing.</p>	<p>Record of FINAL Pumping test</p>	
<p>Std. Wt. Steel Pipe Drillers. Special</p>	<p>Inches Diameter</p> <p>2 3 4 5 6 8 10 12 14 16 18</p>	<p>Depth</p>		
		8	Red Clay - 8'	<p>Duration of test Hours <u>5</u></p>
		19	Blue Clay - 31'	<p>Pumping rate G.P.M. <u>15</u></p>
		25		
		37		
		50	Stony Blue - 19' Clay	<p>Depth of pump in well. Ft. <u>70</u></p>
		56	Soft Sandy - 37' Blue Clay	<p>Standing water-level (from surface) Ft. <u>38</u></p>
		75		
		93		
		100	Hard pan - 10'	<p>Water-level when pumping Ft. <u>55</u></p>
	103	Limestone - 47' (water bearing)	<p>Water. End of test. Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/></p>	
	104			
	150			
<p>Forged Steel Drive Shoe</p>		200		<p>Was the well sterilized? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
		400		<p>To which laboratory was sample sent? <u>Kerooka</u></p>
		800		<p>Date <u>Aug. 29, 42</u></p>
		1200		<p>Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>Key; Casing Pipe Drillhole Mud Croot.</p>	<p>Draw the diagram to show the right half only.</p>			<p>How high did you leave the casing-pipe above grade? <u>6"</u></p>
				<p>Well was completed <u>1</u> Date <u>Aug. 29, 40</u></p>
				<p>Well Driller <u>Shrke Brothers</u> Signature <u>B.L.</u></p>

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

JAN 31 1944

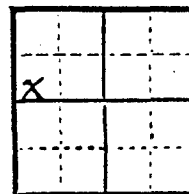
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner St Stephens Church Driller J W Inchetto
Street or RFD Newell Ave Post Office Croft
Post Office Sta D, Milwaukee Date _____ Permit No. 15

LOCATION OF PREMISES

Milwaukee County Lake Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SWNW
Sec. 33
Twp. 6
Range 22 E

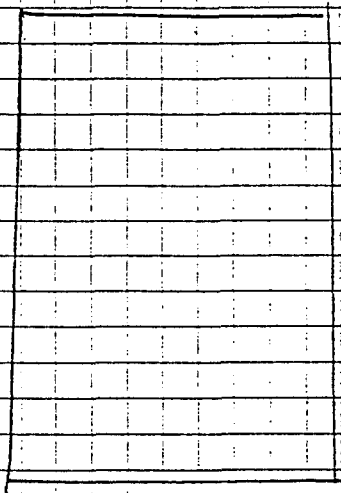
Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

Act 5900

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Inches											Diameter							Depth
2	3	4	5	6	8	10	12	14	16	18								
																		25
																		50
																		82
																		82
																		98
																		75
																		98'
																		100
																		150
																		200
																		400
																		800
																		1200

Draw the diagram to show the right half only

top soil & yellow clay
7'
18' B clay
15' Sand
42' B clay
16' Sand & gravel

Duration of test
Hours 10

Pumping rate
G.P.M. 10

Depth of pump in well. Ft. 30

Standing water-level (from surface)
Ft. 22

Water-level when pumping Ft. 22

Water. End of test.
Clear clear
Cloudy _____
Turbid _____

Was the well sterilized?
Yes X No _____

To which laboratory was sample sent?
Monrovia
Date _____

Was the well sealed on completion?
Yes X No _____

How high did you leave the casing-pipe above grade?
10'

Well was completed
Date 11-2-41

Well Driller
Knute
Signature

11" W W
Forged Steel
Shoe

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

DEC 6 1941

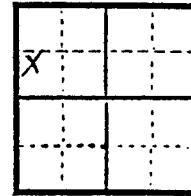
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner John Onozariki Driller Lerkke Bros.
Street or RFD 471 E. Birchwood Post Office 845-50.85th W. All-
Post Office Milwaukee, Wis. Date Nov. 26, 1941 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
County Town
3 Bks. E. of So. Howell ave on
Describe further by subdivision, plat, district, lake, lot,
No. side of E. Birchwood
block, nearest principal highway, etc., whichever apply.
5600 So Jasper St

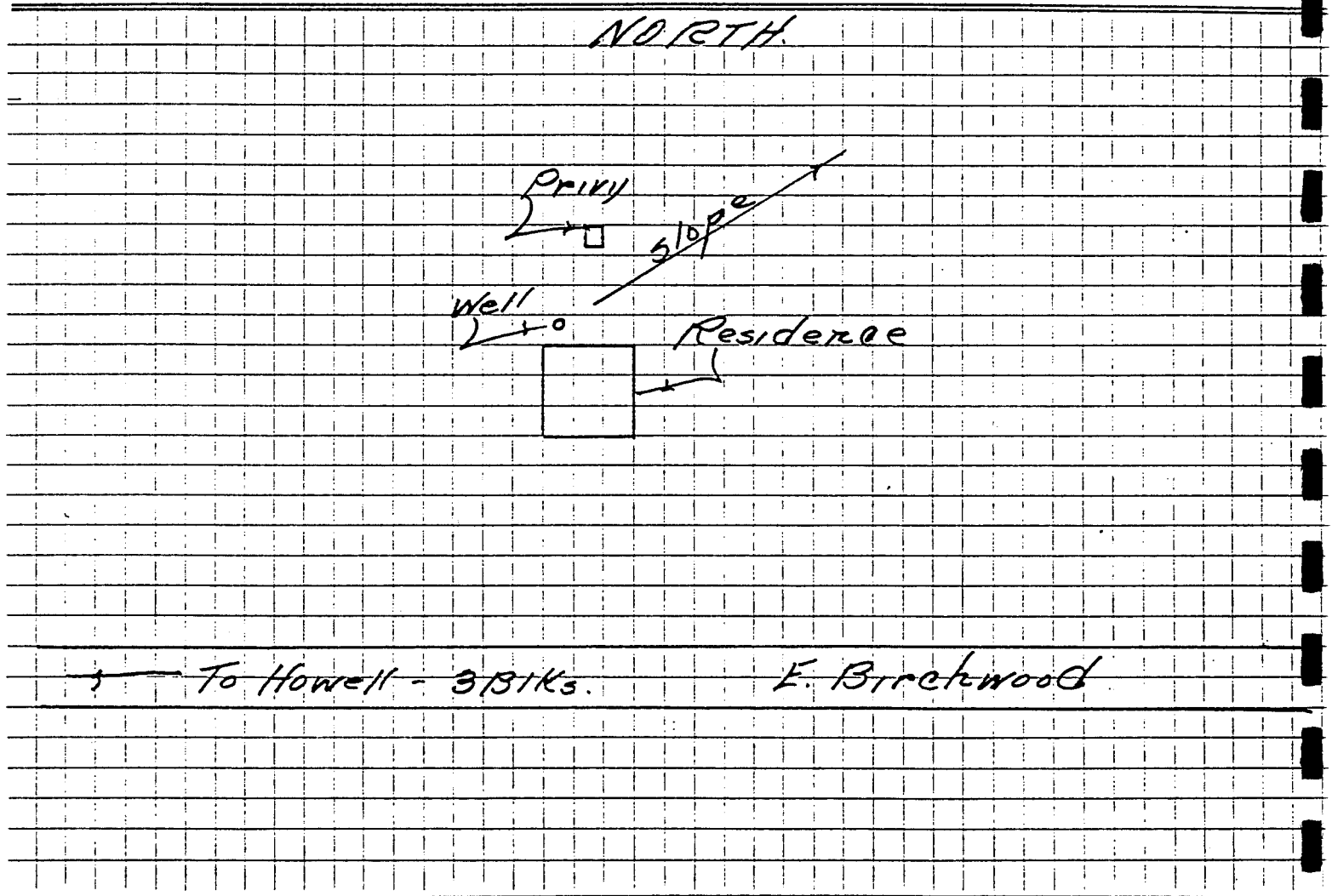
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SWNW
Sec. No. 33
Twp. No. 6
Range 22 { E
W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key:
= Casing pipe
= Drillhole
= Mud Grout

Inches					Diameter											Depth	
2	3	4	5	6	8	10	12	14	16	18							
																	14
																	25
																	37
																	45
																	50
																	75
																	89
																	94
																	95
																	100
																	143
																	150
																	200
																	400
																	800
																	1200

Draw the diagram to show the right half only

Red Clay - 14'

Blue Clay - 23'

Sand - 8'

Sandy Blue - 30' Clay

Blue Clay - 14'

Broken Limestone - 5'

Limestone - 49' (Water bearing)

Duration of test
Hours 7

Pumping rate
G.P.M. 20

Depth of pump in well. Ft. 40

Standing water-level (from surface)
Ft. 26

Water-level when pumping Ft. 28

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was sample sent?
Kerosha
Date 10/7/41

Was the well sealed on completion?
Yes ☒ No ☐

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date 10/7/41

Well Driller
Shirley Bros
Signature J. L.

17-107 ✓

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

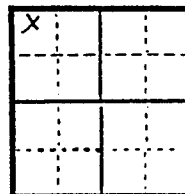
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Spencer Heidrick. Driller Lehrke Bros
Street or RFD Howell + Grange Post Office 845 So. 85st West Allis
Post Office Milwaukee Date July 2 - 41 Permit No. 44

LOCATION OF PREMISES

Milwaukee Lake
County Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. No. 33

Twp. No. 6

Range 22 {

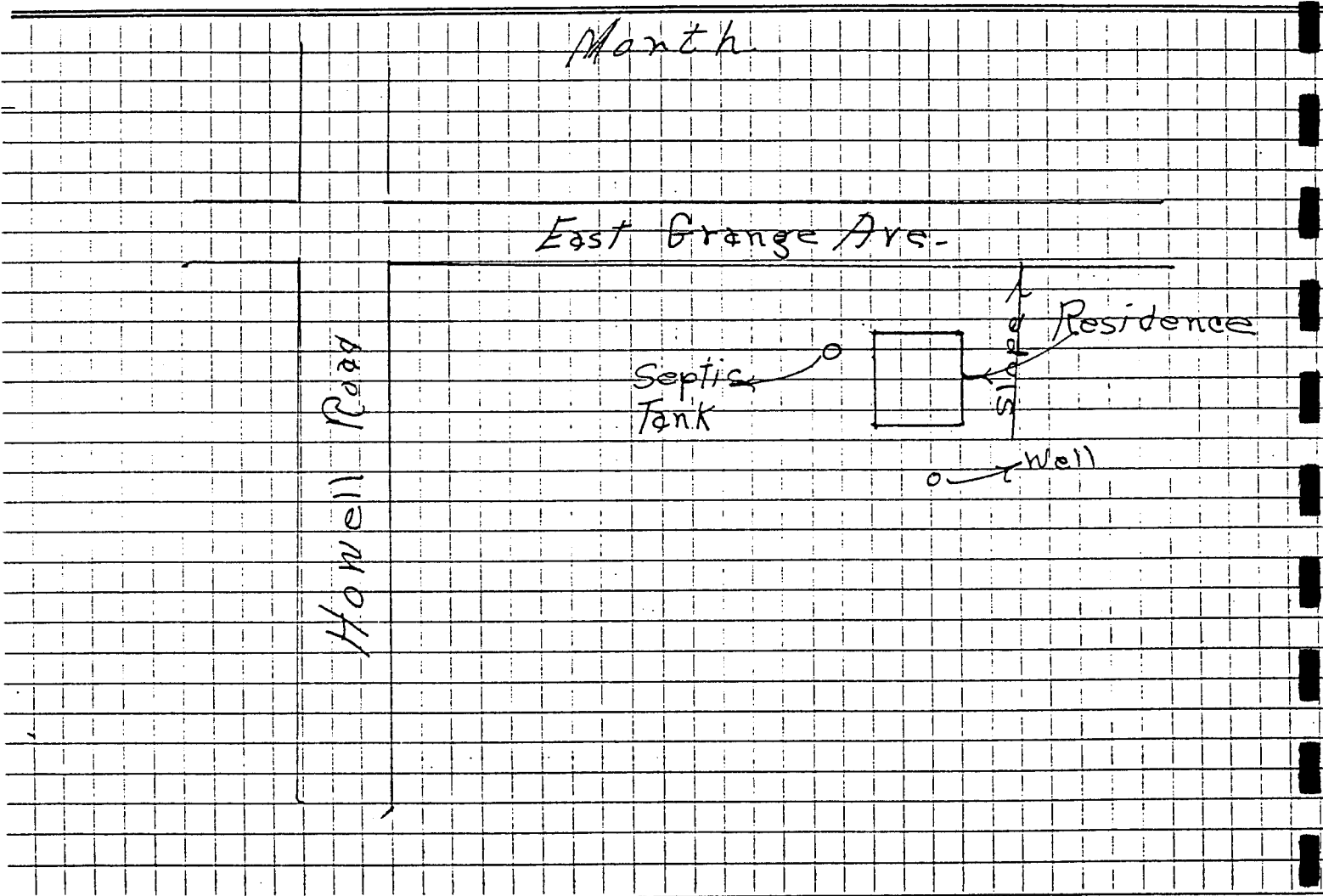
Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

Plot 5500 So Howell

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. WT.
Steel Pipe
Drillers
Special

Forged Steel
Drive
Shoe

Key
= Casing Pipe
= Drillhole

Mud Grout

Inches		Diameter		Depth
2	3	4	5	
				25
				37
				50
				52
				75
				95
				100
				130
				150
				200
				400
				800
				1200

Draw the diagram to show the right half only

Clay
37'

Sand 15'

Blue Clay
43'

Rock 35'

Duration of test
Hours 5

Pumping rate
G.P.M. 15

Depth of pump in
well. Ft. 40

Standing water-level
(from surface)
Ft. 12

Water-level when
pumping Ft. 22

Water. End of test.
Clear ☒
Cloudy ☐
Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was
sample sent?
Kenosha
Date 5-27-41

Was the well sealed on
completion?
Yes ☒ No ☐

How high did you leave the
casing-pipe above grade?
8"

Well was completed
Date 5-27-41

Well Driller
Signature
G. L.

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Arthur Gacty Driller M. Beck & Sons
 Street or RFD _____ Post Office P. 4 Westallia
 Post Office _____ Date 5/18/41 Permit No. 90

Alt 5500 50 Howell
 LOCATION OF PREMISES

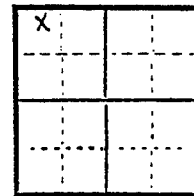
Milwaukee County Lake Town

On Grange Ave one block
 Describe further by subdivision, plat, district, lake, lot,

east of Howell Ave on
 block, nearest principal highway, etc., whichever apply.

South side of Grange

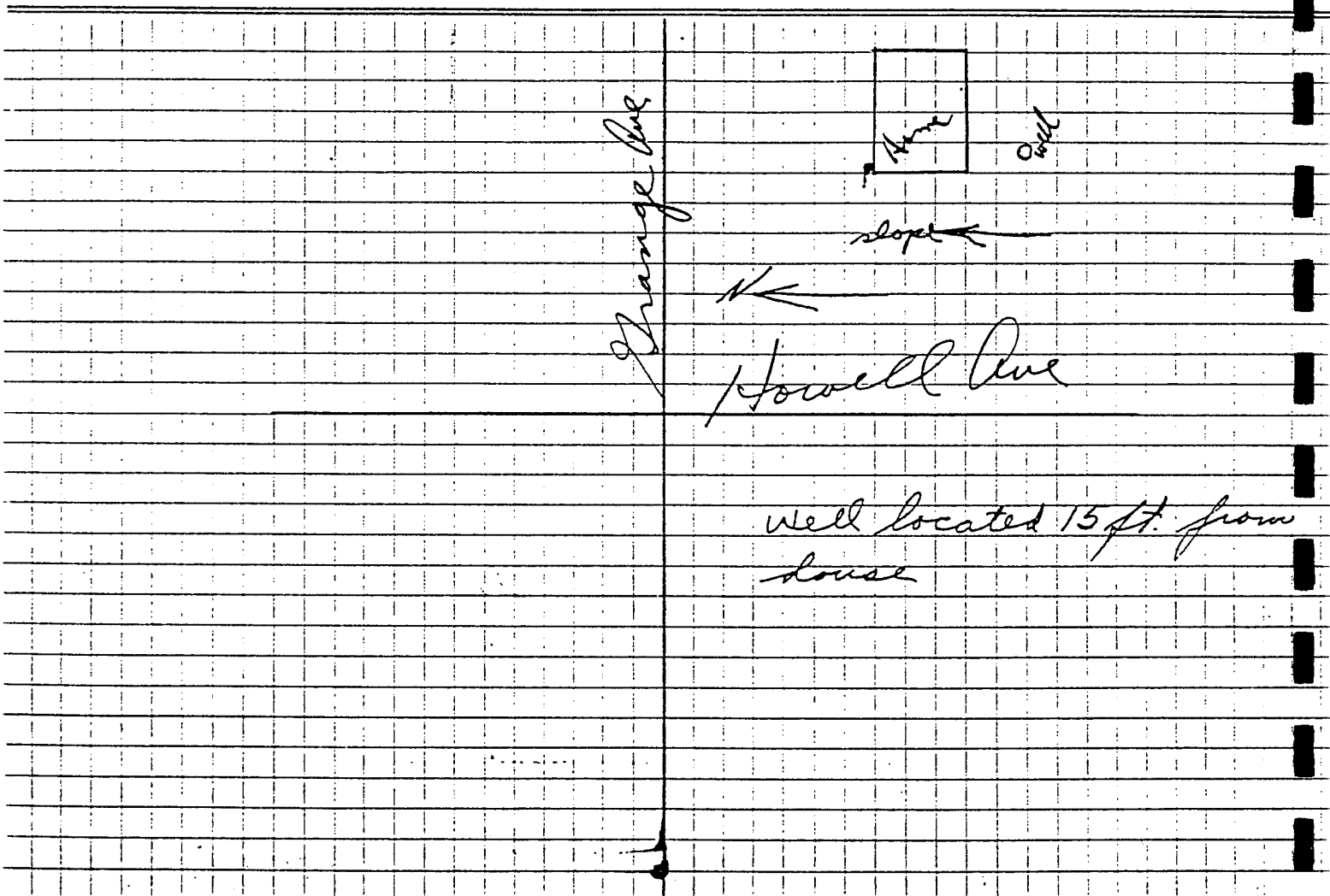
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 33
 Twp. 6
 Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

28' Steel 6" pipe
barged steel shoe

Inches		Diameter		Depth
2	3	4	5	
2	3	4	5	25
6	8	10	12	50
14	16	18		75
				98
				100
				123
				150
				200
				400
				800
				1200

25

50

75

98

100

123

150

200

400

800

1200

25' Red clay

50' Blue clay

23' Hard sand & sand.

25' fine rock water bearing

Duration of test

Hours

4

Pumping rate

G.P.M.

20

Depth of pump in

well. Ft.

80

Standing water-level
(from surface)

Ft.

25

Water-level when

pumping Ft.

65

Water. End of test.

Clear

☒

Cloudy

Turbid

Was the well sterilized?

Yes

No

To which laboratory was
sample sent?

Madison

Date

5/26/41

Was the well sealed on
completion?

Yes

No

How high did you leave the
casing-pipe above grade?

6"

Well was completed

Date

5/26/41

Well Driller

Harvey Allen
Signature

Draw the diagram to show the
right half only

Key.

= pipe

drill hole

= grout

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth		Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
108 ft. 8 in. Steel Drive Pipe down 108 ft. ORG. 52 SHOE 5"	0 2 3 4 5 6 8 10 12 14 16 18 24 25		TOP SOIL & RED CLAY 0 - 15 ft.	Duration of test. Hours <u>4</u>
	25		BLUE CLAY 15 - 47 ft.	Pumping Rate. G. P. M. <u>30</u>
	50		SAND & SOME WATER 47 - 59 ft.	Depth of pump in well. Ft. <u>60</u>
	75		STONY BLUE CLAY 59 - 107 ft.	Standing water-level (from surface.) Ft. <u>19</u>
	100		LIME STONE 107 - 122 ft.	Water level when pumping Ft. <u>30</u>
	150			Water, End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/>
	200			Was well sterilized before test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	400			Date <u>3/13/37</u>
	800			To which Laboratory was sample sent? <u>Madison</u>
	1200			Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> How high did you leave casing above grade? <u>8"</u> Well was completed <u>3/13</u> 19 <u>37</u> Well Driller: <u>Shodore Water</u> Signature. (Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

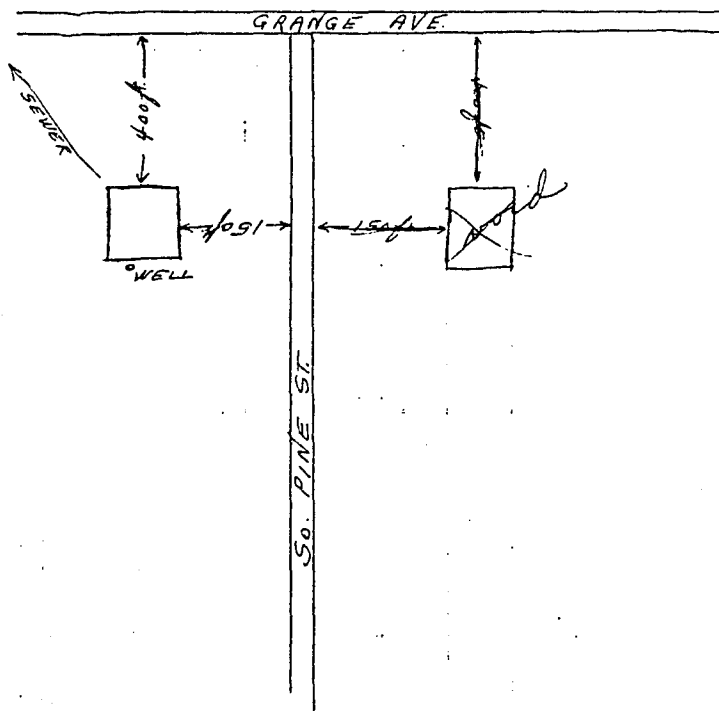
REMARKS :

Indicate position of premises in the Section

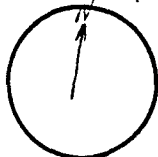
		NORTH		
		X		

Sec 33 T. 6 R. 22 (E) (NW)

(Each division equals 10') (If more or less indicate:)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ of Lake
2. Location 5834 So. Clement Ave. Check one and give name
Name of street and number of premise or Sec. Tn. and R. numbers AUG 18 1949
3. Owner ☒ or Agent ☐ W. Jablonski. BUREAU
Name of individual, partnership or firm SAME SAN. ENG.
4. Mail Address Same Complete address required
5. From well to nearest: Building 15 ft; sewer 25 ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

~~---BUREAU---~~
SAN. ENG

Dia. (in.)	From (ft.)	To (ft.)
10	0	20
6	20	78

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight	0	78

End (ft.)	From (ft.)	To (ft.)
Clay Slurry	0	178

[illegible]

Yield test: 3 Hrs. at 10 GPM.
Depth from surface to water: 24 ft.
Water-level when pumping: 30 ft.
Water sample sent to laboratory at _____
_____ on _____ 19____

Yes ✓ No _____

Registered Well Driller

Complete Mail Address

SE Sec 34

6 N R 22 E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

- County Milwaukee Town ☐ South Milwaukee
Village ☐
City ☐ Check one and give name
- Location Lot No 12 Corner 15 Ave. E. College
Name of street and number of premises or Section, Town and Range numbers
- Owner ☒ or Agent ☐ Cross of Christ Evangelical Lutheran,
Name of individual, partnership or firm
- Mail Address 6 N. Range 22 East Sec. No. 34 S. 2 Church
Complete address required
- From well to nearest: Building 20 ft; sewer 75 ft; drain 100 ft; septic tank 100 ft;
dry well or filter bed None; abandoned well None
- Well is intended to supply water for: Church

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
7	25	110			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Mad	0	25

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 45 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 50 ft.

Water sample was sent to the state laboratory at:

Madison on 3-27 1962
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Muddy Clay	0	30
Clay	30	70
Gravel	70	80
Clay	80	110
Rock	110	151

RECEIVED

APR 4 1962

Construction of the well was completed on:

3-5 1962
ENGINEERING

The well is terminated 10 inches

☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Dw Johnson
Registered Well Driller

Please do not write in space below

Neenah 2 Wis.
Complete Mail Address

Rec'd

MAR 29 1962

No.

9680

Ans'd

Interpretation SAFE-BACTERIOLOGICALLY

Gas-24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

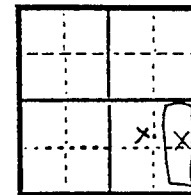
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Edward Brandt Driller Lerkke Bros. ✓
Street or RFD 1402 W. Manitoba Post Office 845-50 85th West Allis
Post Office Milwaukee Date June 20, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee County Lake Town
1/2 Mile North of College Ave.
Describe further by subdivision, plat, district, lake, lot,
block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 35 E 35
Twp. 6 S 6
Range 22 E 22
W 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NORTH

RAMSEY AVE

Level

Well

Septic Tank

Slope

Elaine Ave.

College Ave

WELL LOG and REPORT

<p>In this column indicate the kind of casing, liner, shoe and other accessories used.</p>	<p>WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.</p>	<p>In this column state the kind of formations penetrated, their thickness in feet and if water bearing.</p>	<p>Record of FINAL Pumping test</p>	
<p>Std. Wt. Steel Pipe Drillers Special</p>	<p>Inches Diameter</p> <p>2 3 4 5 6 8 10 12 14 16 18</p>	<p>Depth</p>		
		9	Pit - 6'	Duration of test Hours <u>6</u>
		20	Red Clay - 3'	Pumping rate G.P.M. <u>6</u>
		25		Depth of pump in well. Ft. <u>110</u>
		50	Blue Clay - 59'	Standing water-level (from surface) Ft. <u>45</u>
		68		Water-level when pumping Ft. <u>110</u>
		75	Stony Clay - 8'	Water. End of test. Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/>
		76	Blue Clay - 13'	Turbid <input type="checkbox"/>
		89	Sand - 14'	Was the well sterilized? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	<p>Forged Steel Drive Shoe</p>		100	Hard Pan - 11'
		103		Date <u>June 20</u>
		114	Limestone - 31' (Waterbearing)	Was the well sealed or completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		115		How high did you leave the casing-pipe above grade? <u>6" Pit #10</u>
		145		Well was completed Date <u>June 20 19</u>
<p>Key: = Casing pipe = Drill hole = Mud Grout</p>		150		Well Driller <u>Leike Bros.</u> Signature
		200		
		400		
		800		
		1200		

Draw the diagram to show the right half only

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

MAR 18 1947

1. County Milwaukee Town XXX Village Lake City XXX
2. Location 2700 E. Collage ave. SE 1/4 Sec 34 T6N R22E
3. Owner of ~~XXXX~~ Walter Janiszewski
4. Address 4548 S. Kansas St. Cudahy Wisc. 2700 E. Collage Ave.
5. From well to nearest: Building 15 ft; sewer 28 ft; drain 15 ft; septic tank 60 ft;
dry well or filter bed 60+ ft; abandoned well _____ ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
9	0	22
6	22	172

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Blk Std. W.D.	0	104

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	22 ft

10. FORMATIONS:

Kind	Thick-ness (ft.)	Total Depth (ft.)
Clay	28	28
Sand muddy	12	40
clay sandy	28	92
Gravelclay	12	104
Limestone crev. W.B.	68	172

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.

Depth from surface to water: 50 ft.

Water-level when pumping: 70 ft. ft.

Water sample sent to laboratory at
Kenosha on 7/19 1945

Construction of the well was completed on
July 19 1945

The well is terminated 8 inches
(above) (below) the permanent grade.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Arber & Krumm

Signature

Registered Well Driller

5807 W. Hampton Rd.

Complete Mail Address

Milwaukee 9 Wisconsin.

JUL 23 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

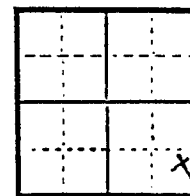
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner H. E. Swardson Driller Lehrke Bros. ✓
Street or RFD 3616 E. Iowa Ter. Post Office 845 - So. 85th West Allis
Post Office Milwaukee, Wis. Date July 10, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee County Lake Town
1316 No. of College Ave
Describe further by subdivision, plat, district, lake, lot,
and 1316 West of So.
block, nearest principal highway, etc., whichever apply.
Flaine

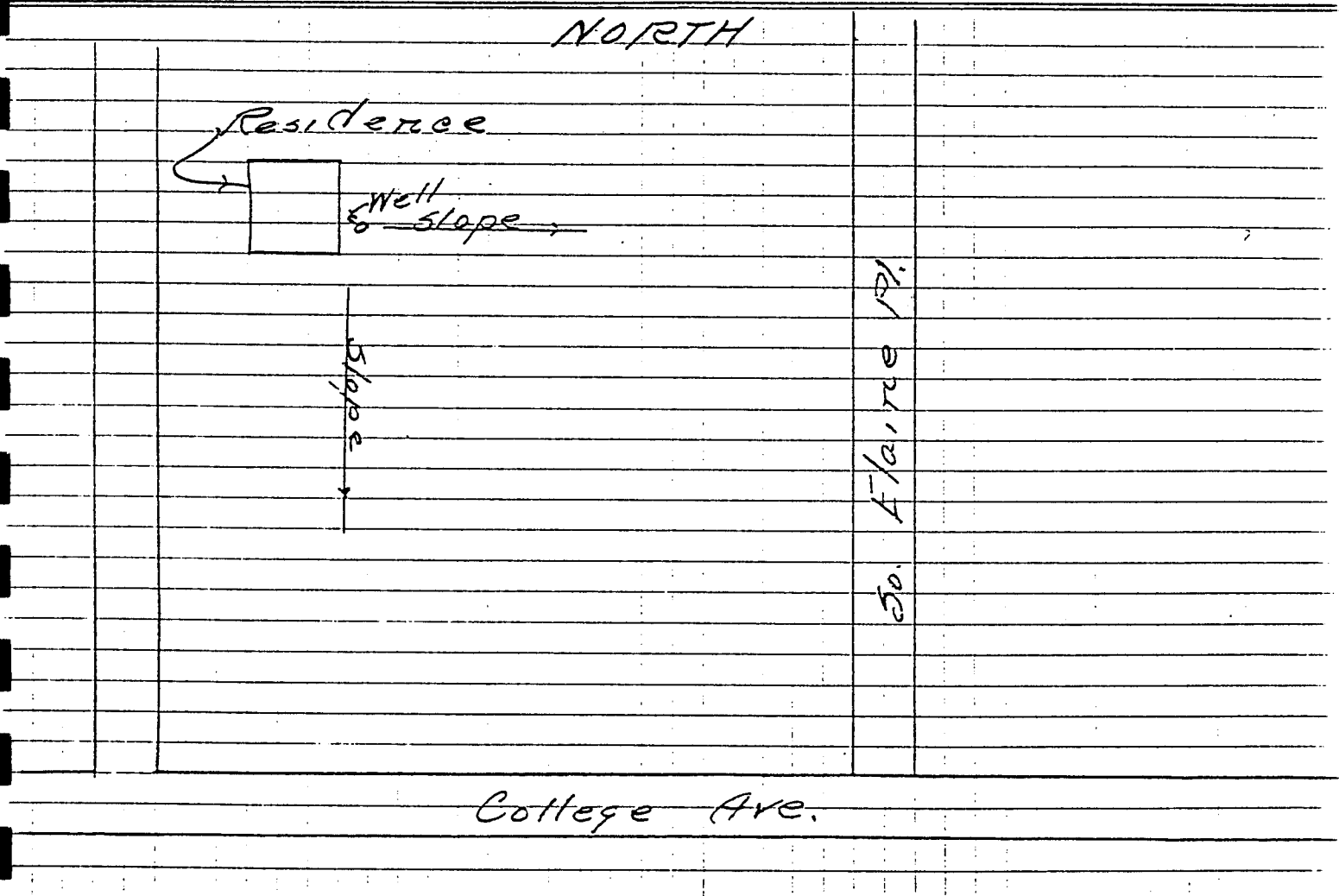
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SESE
Sec. 33 34
Twp. 6 N
Range 22 { E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std. Wt.
Steel Pipe
Drillers
Special

Forged Steel
Drive Shoe

Key;
| = casing pipe
| = Drill hole
S = Mud Grout

Inches		Diameter		Depth
2	3	4	5	
				11
				19
				25
				50
				75
				77
				98
				100
				113
				114
				142
				150
				200
				400
				800
				1200

Red clay - 11'

Blue clay - 66'

Stony Blue clay - 21'

Hard Pan - 15'

Limestone - 29' (water bearing)

Duration of test
Hours 5

Pumping rate
G.P.M. 12

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 55

Water-level when pumping Ft. 65

Water. End of test.
Clear ☒ Cloudy ☐

Turbid ☐

Was the well sterilized?
Yes ☒ No ☐

To which laboratory sample sent?
Keroska

Date July 7-4

Was the well sealed on completion?
Yes ☒ No ☐

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date July 3-4

Well Driller
Lehke Bros
Signature

Draw the diagram to show the right half only

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAR 9 1944

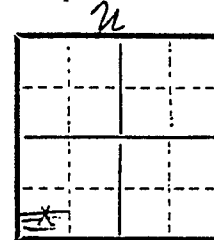
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ronald Rantz Driller Adrian Acker
Street or RFD Rt 1 Box 338 H. Post Office 5214 W. Vallard ave
Post Office So Milwaukee 62138 Elaine Date Jan 10 1943 Permit No. 364

LOCATION OF PREMISES

Milwaukee County Town of Lake Town

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SE, SESE, Sec. 34

Sec. No. 35

Twp. No. 6

Range 22 { E
W

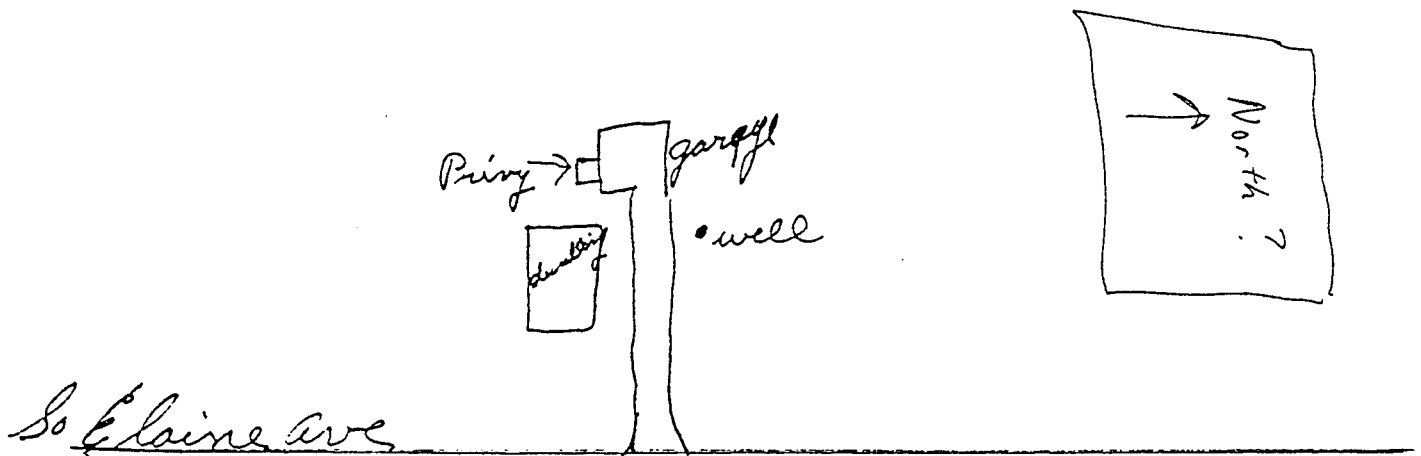
Describe further by subdivision, plat, district, lake, lot.

College ave
block, nearest principal highway, etc., whichever apply.

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Elaine Ave is in Sec. 34 - not in Sec. 35



WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-39.

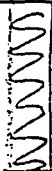
In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

Std wt.
Steel pipe
35 feet of new
pipe
33 feet of
reclaimed
pipe
drop forge shoe

Inches	Diameter	Depth
2 3 4 5 6 8 10 12 14 16 18		
		25
		50
		75
		100
		120
		150
		200
		400
		800
		1200

yellow clay 10
Blue clay

Stoney clay
65

Hard pan some
sand 18
96
Lime stone

Duration of test
Hours 2 1/2

Pumping rate
G.P.M. 10

Depth of pump in
well. Ft. 50

Standing water-level
(from surface)
Ft. 35

Water-level when
pumping Ft. 45

Water. End of test.
Clear yes
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample
sent? Kenocke
Date

Was the well sealed on comple-
tion?
Yes ✓ No

How high did you leave
casing-pipe above grade?
8

Well was completed
Date Sept. 43

Well Constructor
Carson Repe
Signature

Draw the diagram to show the
right half only

yes
= Casing pipe
= Drillhole
Mud grout

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County

Milwaukee

Town ☒
Village ☐
City ☐

of Lake

Check one and give name

2. Location

6170 S. Roberts St.

Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐

K. Delikat.

4. Mail Address

Same

Complete address required

5. From well to nearest: Building 25 ft; sewer 70 ft; drain 70 ft; septic tank 70 ft;

dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: 1 family home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	124			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Standard Weight	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	107

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 6 GPM.

Depth from surface to water-level: 15 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

Kenosha on Sept 30 1952

City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	15
Blue "	15	75
Gravel	75	107
Lime stone	107	124

Construction of the well was completed on:

Sept 29 1952

The well is terminated 6 inches

☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature

Clarence Acker 3934 So. 41st. Milw-15 Wis.

Registered Well Driller

Complete Mail Address

Please do not write in space below

Rec'd

10-1-52

No.

1621

Ans'd

10-3-52

Interpretation

D. J. E.

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

F. E.

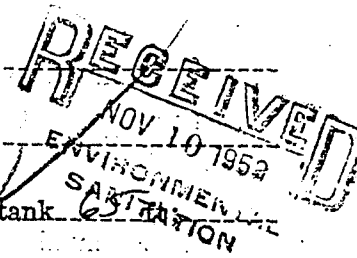
RECEIVED
OCT 14 1952
WISCONSIN STATE BOARD OF HEALTH
DIVISION OF SANITATION

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SESESE Sec 34 T6N R22E

1. County Milwaukee Town ☒ Town of Lake
Village ☐
City ☐ Check one and give name
2. Location 6229 So Elaine St
 Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Paul Kungel
 Name of individual, partnership or firm
4. Mail Address 2330 A So 18th St Milwaukee
 Complete address required
5. From well to nearest: Building 15 ft; sewer 45 ft; drain 15 ft; septic tank 65 ft;
 dry well or filter bed 75 ft; abandoned well ft.
6. Well is intended to supply water for: Home



7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	133

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard weight Black	0	112

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud	0	30

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 8 GPM.
 Depth from surface to water-level: 45 ft.
 Water-level when pumping: 20 ft.
 Water sample was sent to the state laboratory at:
 on 19
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay (sandy)	0	50
Sand & gravel	50	65
Clay (stony)	65	95
Clay (blue)	95	105
Hardpan	105	112
Limestone (water bearing)	112	133

Construction of the well was completed on:

Oct 29 1953

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes No X

Was the well sealed watertight upon completion?

Yes X No

Signature Kenneth J. Swamy R2 Box 132 34th Avenue, Wau
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd NOV 11 - 1953 No. 29583

Ans'd

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs.

48 hrs.

Confirm

B. Coli 0/5

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County milwaukee ⁴³⁵⁻²⁶ Town ☐ Village ☐ City ☒ Leedsbury
Check one and give name
2. Location 5955 So Barland
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ E. Inc Poppe ^{NW 33 Sec 35 T4N R2E}
Name of individual, partnership or firm
4. Mail Address 5955 So Barland Leedsbury Wisconsin
Complete address required
5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
0	20	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std steel pipe	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.
Depth from surface to water-level: 40 ft.
Water-level when pumping: 75 ft.
Water sample was sent to the state laboratory at:
Madison on June 3 1958
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	10	12
blue clay	91	103
hard pan	4	107
lime stone	48	155

Construction of the well was completed on:

June 3 1958

The well is terminated 8 inches
☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

Signature Leanne H. Gyllenberg
Registered Well Driller

7570 So Howell So Mil W.
Complete Mail Address

Please do not write in space below

Rec'd JUN 5-1958 15568

Ans'd _____

Interpretation SAFE

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

TO THE WISCONSIN STATE BOARD OF HEALTH,
WELL DRILLING DIVISION, MADISON, WIS.
WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board
(TO BE USED FOR THAT PURPOSE ONLY)

Owner A. H. K. Kiepert Driller Frank Robert Davis
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address So. Packard Ave. Cudahy Address Hales Corners
(City, village, township, county) Wisconsin
Date of Report 11/13 1937
Registration No. 13
Give below the location of the property on which well is drilled.
If incorporated village or city: Cudahy So Packard Ave.
If unincorporated hamlet _____
If Lake Shore Plat _____
If Farm _____
If School _____
If other public building _____
Miscellaneous _____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
<u>Spring Steel Pipe</u> <u>Large Steel Shoe</u>	0 2 3 4 5 6 8 10 12 14 16 18 24	15' Red clay	Duration of test. Hours <u>4</u>
	25 75	60' blue clay	Pumping Rate. G. P. M. <u>5</u>
	50 50		Depth of pump in well. Ft. <u>125</u>
	75 75		Standing water-level (from surface.) Ft. <u>80'</u>
	100 100	80' Sand	Water level when pumping Ft. <u>115'</u>
130 130	15' Lime Rock	Water. End of test. Check: Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Turbid <input type="checkbox"/>	
200 200		Was well sterilized before test? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
400 400		To which Laboratory was sample sent? <u>Madison</u>	
800 800		Date <u>11/15</u>	
1200 1200		Was the well sealed on completion? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		How high did you leave casing above grade? <u>6"</u>	
		Well was completed <u>11/13</u> 19 <u>37</u>	
		Well Driller: <u>Frank Robert Davis</u> Signature.	
		(Be sure to complete the report on the reverse side)	

PREMISES DIAGRAM

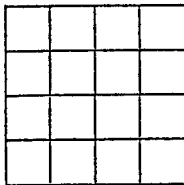
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS :

Indicate position of premises
in the Section

NORTH



Sec. 36 T. 6 R. 22 (E) (W) of well (Each division equals 10') (If more or less indicate:)

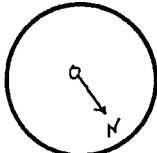
35

Home

Drive

St. Richard Ave

Showing in circle the
Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

JUL 23 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

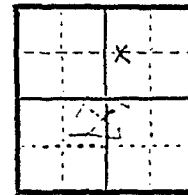
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner A. M. Slasen Driller Frank Olsen & Sons ✓
Street or RFD 2818 So Chicago Ave Post Office R. 4. Westallia
Post Office _____ Date 7/5/40 Permit No. 13

LOCATION OF PREMISES

Milwaukee Lake
County Town
6028 So Packard Ave Cudahy
Describe further by subdivision, plat, district, lake, lot,
block, nearest principal highway, etc., whichever apply.

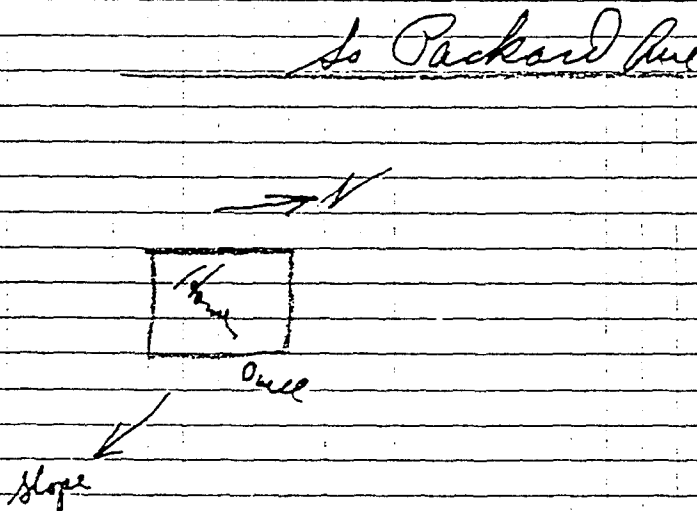
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 35
Twp. 6
Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

141' std wt steel pipe
1" forged steel shoe

Inches		Diameter		Depth
2	3	4	5	
				25
				50
				75
				100
				141
				142
				150
				200
				400
				800
				1200

Depth

25

50

75

100

141

142

150

200

400

800

1200

Draw the diagram to show the right half only

25' red clay

50' blue clay

66' sand

1' lime rock water bearing

Duration of test

Hours 4

Pumping rate

G.P.M. 8

Depth of pump in

well. Ft. 115'

Standing water-level
(from surface)

Ft. 90'

Water-level when

pumping Ft. 115'

Water. End of test.

Clear ☒

Cloudy ☐

Turbid ☐

Was the well sterilized?

Yes ☐ No ☐

To which laboratory wa
sample sent?

Madison

Date 7/1/40

Was the well sealed or
completion?

Yes ☒ No ☐

How high did you leave th
casing-pipe above grade?

6"

Well was completed

Date 7/1/40

Well Driller

Harry Baker
Signature

1" Drill hole

2" pipe

3" mud grout

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Milwaukee {Town ☒ Village ☐ Lake ☐ City ☐ Check one and give name
2. Location 6217 S. Whitnal Ave. 353 TON R226
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Frank Entrenger
Name of individual, partnership or firm

4. Mail Address 6217 S. Whitnal Ave. South Milwaukee Wisconsin
Complete address required

5. From well to nearest: Building 15 ft; sewer no sewer or septic installed ft; drain no sewer or septic installed ft; septic tank no sewer or septic installed ft;
dry well or filter bed xx ft; abandoned well xx ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	38			
6	0	161			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk. WD 19.45	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	38

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 47 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:

Kenosha on 10 / 6 19 41
City 1/21 /42

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Soil Clay stony		19
sand muck	10	29
clay sandy	12	41
clay	40	81
clay sandy	9	90
clay	20	110
gravel clay	7	117
limestone	23	140
limestone WB	21	161

Construction of the well was completed on:

Oct. 6 19 41

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Arber & Krumm 5807 W. Hampton Rd Milwaukee 16
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MilwaukeeTown ☒ Village ☐ Lake ☐
City ☐2. Location 6235 S. Whitnal Ave. Sec 35 T6N R22E

Check one and give name

RECEIVED
FEB 21 19553. Owner ☒ or Agent ☐ Niel H. Cory

Name of individual, partnership or firm

4. Mail Address 6235 S. Whitnal Ave. South Milwaukee Wisc.

Complete address required

5. From well to nearest: Building 15 ft; sewer no other construction ft; drain no other construction ft; septic tank no other construction ft;
dry well or filter bed no other construction ft; abandoned well no other construction ft.6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	38			
6	0	151			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk. WD 19.45	0	116

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mudt	0	38

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 20 GPM.Depth from surface to water-level: 47 ft.Water-level when pumping: 51 ft.

Water sample was sent to the state laboratory at:

Kenosha on 10/6 1941
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay		18
sand silt	8	26
clay	22	48
sand gravel	26	74
c lay sand	28	102
silt	14	116
limestone light	30	146
limestone crev. WB	5	151

Construction of the well was completed on:

July 24 1941The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature Arber Krumm
Registered Well Driller

Please do not write in space below

5807 W. Hampton Rd Milwaukee 16

Complete Mail Address

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MilwaukeeTown ☐ Cudahy
Village ☐
City ☒

Check time and place name

2. Location 3367 E. RamseyNWNWSW Sec 35 T6NR22E

Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Milton Rice

Name of individual, partnership or firm

4. Mail Address 3367 E. Ramsey St. Cudahy Wisconsin

Complete address required

5. From well to nearest: Building 6 ft; sewer ft; drain 15 ft; septic tank ft;dry well or filter bed 50 ft; abandoned well 18 ft.6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	0	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk. WD 19.45	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 7 GPM.Depth from surface to water-level: 75 ft.Water-level when pumping: 84 ft.

Water sample was sent to the state laboratory at:

Madison on 12/8 19 58
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay sandy		107
boulders	2	109
hardpan	8	117
limestone	48	165
limestone WB	5	170

Construction of the well was completed on:

Dec. 6 19 58The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature Garber & Son B.G. Garber 5807 W. Hampton Rd Milwaukee 18 Wis
Registered Well Driller

Complete Mail Address

Rec'd 9 1958 No. 39837Ans'd SAFEInterpretation

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. 48 hrs. Confirm B. Coli Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NENWSW Sec 35 T6N R22E

1. County MILWAUKEE Town ☒ Village ☐ City ☐ LAKE
Check one and give name

2. Location 3375 E. RAMSAY AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ KENNETH MC LOUGHLIN
Name of individual, partnership or firm

4. Mail Address SAME
Complete address required

5. From well to nearest: Building 4 ft; sewer 15 ft; drain _____ ft; septic tank _____ ft;
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10 8</u>	<u>0</u>	<u>21</u>			
<u>6</u>	<u>21</u>	<u>173</u>			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>WROUGHT</u>	<u>0</u>	<u>125</u>
	<u>IRON PIPE</u>		

9. GROUT:

Kind	From (ft.)	To (ft.)
<u>CLAY SLURRY</u>	<u>0</u>	<u>21</u>

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at:

MADISON City on MAY 12 1951

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
<u>RED CLAY</u>	<u>0</u>	<u>10</u>
<u>BLUE CLAY</u>	<u>10</u>	<u>120</u>
<u>POPPUS LIME</u>	<u>120</u>	<u>125</u>
<u>SOLID LIME</u>	<u>125</u>	<u>173</u>

Construction of the well was completed on:

MAY 12 1951

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Les J. Blunt
Registered Well Driller

5561 So. 6TH ST. MIL. 7, WIS.
Complete Mail Address

Please do not write in space below

Rec'd MAY 15 1951 No. 6394

Ans'd _____

Interpretation This sample is unsatisfactory for Bact

Analysis because of the presence of chlorine

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

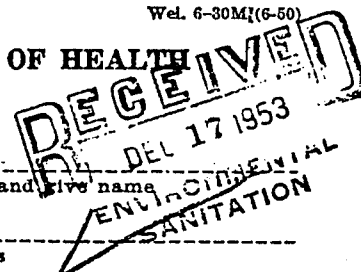
48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side



- County WISCONSIN {Town ☒ Village ☐ City ☐ LAKE
WENWIS SEC 35 T6N R22E Check one and give name
- Location 2375 E HAM CAY AVE
Name of street and number of premise or Section, Town and Range numbers
- Owner ☒ or Agent ☐ KENNETH M O LAVERHIN
Name of individual, partnership or firm
- Mail Address SAME
Complete address required
- From well to nearest: Building 5 ft; sewer 15 ft; drain NO ft; septic tank 50 ft;
dry well or filter bed _____ ft; abandoned well _____ ft.
- Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	173			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	125
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.
Depth from surface to water-level: 70 ft.
Water-level when pumping: 70 ft.
Water sample was sent to the state laboratory at:
_____ on _____ 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	10
BLUE CLAY	10	120
PERUS LIME	120	125
SOLID LIME	125	173

Construction of the well was completed on:

MAY 18 1951

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature [Signature]
Registered Well Driller

5561 So. 6TH ST MIL. 2, WIS.
Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ Lake ☐ City ☐ Check one and give name:
NENW NW Sec 35 T6N R12E

2. Location 5544 S. Dish St
 Name of street and number of premise or Section, Town and Range

3. Owner ☒ or Agent ☐ Emil Kling
 Name of individual, partnership or firm

4. Mail Address 5544 S. Dish St.
 Complete address required

5. From well to nearest: Building 18 ft; sewer XX ft; drain XX ft; septic tank XX ft;
 dry well or filter bed XX ft; abandoned well XX ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20			
6	0	214			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk. WD 19.45	0	151

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mdd	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at:

Kenosha on 5/4 19 44
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay		38
sand clay	71	109
sand clay hardpan	41	150
limestone WB	64	214

Construction of the well was completed on:

May 4 19 44

The well is terminated 6 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature Arber & Krumm B.G. Gieber 5807 W. Hampton rd Milwaukee 16
 Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☒ Village ☐ City ☐ Lake ☐ Check one and give name

2. Location 5557 So Buckhorn Ave. Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ John Pawlak Name of individual, partnership or firm

4. Mail Address 5557 So. Buckhorn Ave. Milwaukee, Wisconsin. Complete address required

5. From well to nearest: Building 10 ft; sewer X ft; drain X ft; septic tank X ft; dry well or filter bed X ft; abandoned well X ft.

6. Well is intended to supply water for: Household use.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
5	0	195			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Black steel	0	147

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	72

11. MISCELLANEOUS DATA:

Yield test: 80 Hrs. at 7 GPM.
 Depth from surface to water-level: 67 ft.
 Water-level when pumping: 87 ft.
 Water sample was sent to the state laboratory at:
Kenosha on 3-17 1949
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Open hole	0	72
Clay	72	110
Fine pack sand	110	147
Gray limestone	147	195

Construction of the well was completed on:

March 11 1949

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature Accurate Drilling & Pump Co
 Registered Well Driller

2121 E Capitol Drive

Complete Mail Address
 Milwaukee, 11 Wisconsin

Please do not write in space below

Rec'd _____ No. _____
 Ans'd _____
 Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml
 Gas—24 hrs. _____
 48 hrs. _____
 Confirm _____
 B. Coli _____
 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Wis. { Town ☒ Oak Creek
 Village ☐
 City ☐ Check one and give name

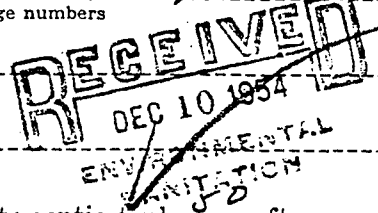
2. Location Hy 42 at Davis Acres So. Milwaukee Wis.
 Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Henry Hondurs
 Name of individual, partnership or firm

4. Mail Address So. Milwaukee Wis.
 Complete address required

5. From well to nearest: Building 25 ft; sewer _____ ft; drain _____ ft; septic tank _____ ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home



7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	210			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Standard	0	191

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	45

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.Depth from surface to water-level: 75 ft.Water-level when pumping: 100 ft.

Water sample was sent to the state laboratory at:

Kenosha on 6/1 1943
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	45
Quicksand	45	65
sand + Clay	65	125
clay (Blue)	125	178
Clay + gravel	178	190
Limestone	190	191
Limestone		
Water Bearing	191	210

Construction of the well was completed on:

6/2 1943The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐Signature Le Roy Radtke
 Registered Well DrillerRR #1 Box 647 - Racine
 Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha Town ☒ Village ☐ City ☐ Oak Creek
 2. Location Range 22 E, Section 2 Oak Creek
 3. Owner ☒ or Agent ☐ George Hackenschmidt
 4. Mail Address Davis Ave Road Oak Creek
 5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank 40 ft;
 dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	190			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Lap Weld	0	165

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	40

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 12 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at:

Kenosha on 1946
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	40
Clay + sand	40	90
Clay Blue	90	150
Clay + gravel	150	160
gravel	160	162
Limestone (Pattern)	162	165
Limestone		
(Waterbearing)	165	190

Construction of the well was completed on:

MAY 23 1946

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ☒ No ☐

Was the well sealed watertight upon completion?

Yes ☒ No ☐

Signature LeRoy Radtke
 Registered Well Driller

Please do not write in space below

Complete Mail Address RR#1 Box 612 Racine Wis

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli _____

Examiner _____

In this column indicate the kind of casing, liner, shoe and other accessories used.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of
FINAL
Pumping test

126' of 12"
wrought steel
drive pipe with
forged steel
shoe attached

Drift

Limestone

Duration of test
Hours ----- 12

Pumping rate
G.P.M. ----- 272

Depth of pump in
well. Ft. 186

Standing water-level
(from surface)
Ft. _____ 46

Water-level when
pumping Ft. -----151

Water.	End of test.
Clear	-----
Cloudy	-----
Turbid	-----

Was the well sterilized?
Yes ☒ No ☐

To which laboratory was sample sent?

Date _____

Was the well sealed on completion?
Yes ☒ No ☐

How high did you leave the casing-pipe above grade?
12"

Well was completed
Date _____

5-7-40 ?

Well Driller
Layne-Northwest
Signature

AUG -8 1940

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH ML-131-U

WELL DRILLING DIVISION

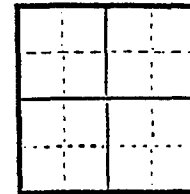
Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Bucyrus-Erie Company Driller Layne-Northwest Company
 Street or RFD South Milwaukee Post Office Milwaukee, Wisconsin
 Post Office Wisconsin Date August 7, 1940 Permit No. 29

LOCATION OF PREMISES

Milwaukee South Milwaukee
 County Town
Wisconsin Highway 42
 Describe further by subdivision, plat, district, lake, lot,
 block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 2
 Twp. 5N
 Range 22 W
per USGS

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER AJ619

State of Wisconsin
Department of Natural Resources
Private Water Supply - WS/2
Box 7921
Madison, WI 53707

DEC 12 1988

Property Owner: Henneman Bldrs. Schmid Bros. Telephone Number: (414) 541-4280
Mailing Address: Bldrs., Inc.
3238 So. 92nd Street
City: Milwaukee, State: Wisconsin Zip Code: 53227
County: 41 County Well Location: W Well Completion Date: 11/22/88
M M D D Y Y
City: Milwaukee

Well Constructor (Business Name): Herr Well Drilling, Inc. License #: WD672
Address: W295 Herr Rd.
City: Dousman, State: Wisconsin Zip Code: 53118

2. Mark well location in correct 40-acre parcel of section.

N
W E
S

1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village Fire # (if available)
of Oak Creek
Grid or Street Address or Road Name and Number (if available)
7260 S. Clement Avenue
Subdivision Name Lot # Block #

Gov't Lot # 9 or NE 1/4 of NE 1/4 of Section 9; T 5 N; R 22 ☒ E ☐ W

3. Well Type ☒ New
☐ Replacement ☐ Reconstruction/Rehabilitation

of well constructed in 19
Reason for new, reconstructed, replaced, or rehabilitated well?
water supply for a new home
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other

Well serves 1 # of homes and/or
(ex: barn, restaurant, church, school, industry, etc.)

High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No

Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No
Well Located in Floodplain? ☐ Yes ☒ No
Distance In Feet From Well To Nearest:
9 1. Landfill
 2. Building Overhang
 3. Septic or Holding Tank
 4. Sewage Absorption Unit
 5. Nonconforming Pit
 6. Buried Home Heating Oil Tank
 7. Buried Petroleum Tank
 8. Shoreline/Swimming Pool
97 9. Downspout/Yard Hydrant
 10. Privy
 11. Foundation Drain to Clearwater
 12. Foundation Drain to Sewer
 13. Building Drain
 14. Building Sewer ☐ Gravity ☐ Pressure
 15. Collector Sewer
 16. Clearwater Sump
 17. Wastewater Sump
 18. Paved Animal Barn Pen
 19. Animal Yard or Shelter
 20. Silo - Type
 21. Barn Gutter
 22. Manure Pipe ☐ Gravity ☐ Pressure
 23. Other Manure Storage
 24.

Drillhole Dimensions
From To
Dia. (in.) (ft.) (ft.)
15 surface 76
3/4
6 76 182
Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)
☒ 1. Rotary - Mud Circulation
☐ 2. Rotary - Air
☐ 3. Rotary - Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit in. dia.
☐ 6. Temp. Outer Casing in. dia.
Removed? ☐ Yes ☐ No
If no, explain
☐ 7. Other

7. Casing, Liner, Screen
Material, Weight, Specification From To
Dia. (in.) Mfg. & Method of Assembly (ft.) (ft.)
6 18.97 lbs. per foot surface 76
New steel plain end A53 Grade B
Valley Steel Products

8. Grout or Other Sealing Material
Method From To #
Kind of Sealing Material (ft.) (ft.) Sacks Cement
Clay slurry & drilling mud surface 76

9. Geology
Type, Caving/Noncaving, Color, Hardness, Etc. From To
(ft.) (ft.)
-GC- Gravel & clay surface 8
-C- Clay 8 31
-GC- Gravel & clay 31 62
-C- Clay 62 76
-L- Limestone 76 182

10. Static Water Level
31 ft. below ground surface
11. Pump Test
Pumping Level 65 ft. below surface
Pumping at 17 GPM for 5 hours
12. Well Is:
☒ Above Grade
☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant?
☐ Yes ☐ No If no, explain none
14. Signature of Well Constructor John Herr Date Signed 12-5-88
Signature of Drill Rig Operator Daniel J. Dwyer Date Signed 12-5-88

OCT 7 1985

MAY 29 1985

1. COUNTY Milw.		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek	
2. LOCATION OR - Grid or Street No. 7165 AND - If available subdivision name, lot & block No.		1/4 Section ✓ Section NE, NE, NW, 10 Township 5N Range 22E		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE Charles Huff	
		Street Name Pennsylvania Ave.		ADDRESS same	
		POST OFFICE			
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 15		Sanitary Bldg. Drain C.I. 50 Other	
		Sanitary Bldg. Sewer C.I. 45 Other		Floor Drain Connected To: C.I. Sewer Other Sewer	
		Storm Bldg. Drain C.I. Other		Storm Bldg. Sewer C.I. Other	
Street Sewer San. Storm		Other Sewers C.I. Other		Foundation Drain Connected to: Sewage Sump Clearwater Dr. Clearwater Sump	
Privy		Pet Waste Pit		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench	
Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumproom Nonconforming Existing		Barn Gutter Animal Barn Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure	
		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)	
		Other (Give Description)			
5. Well is intended to supply water for: private house		9. FORMATIONS			
6. DRILLHOLE		Kind		From (ft.) To (ft.)	
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		Clay		Surface 65	
1.0 Surface 40 6 40 200		hardman		65 98	
		Limestone		98 200	
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification & Method of Assembly		From (ft.) To (ft.)			
Dia. (in.)		From (ft.) To (ft.)			
6 New, steel		Surface 98			
welded, 19.451b.					
/ft. ASTM-A53					
USS steel					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input checked="" type="checkbox"/> Cable Tool		Rotary-hammer w/drilling mud & air	
drill cuttings-mud Surface 40		<input type="checkbox"/> Rotary-air w/drilling mud		<input type="checkbox"/> Rotary-hammer & air	
		<input type="checkbox"/> Rotary-w/drilling mud		<input type="checkbox"/> Reverse Rotary	
				<input type="checkbox"/> Jetting with	
				<input type="checkbox"/> Air	
				<input type="checkbox"/> Water	
11. MISCELLANEOUS DATA		Well construction completed on 4-20 19 85			
Yield Test: 24 Hrs. at 15 GPM		Well is terminated 8 inches		<input checked="" type="checkbox"/> above final grade	
Depth from surface to normal water level 55 Ft.		Well disinfected upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth of water level when pumping 65 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to Oak Creek laboratory on 4-22 19 85					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <i>Charles Huff</i>		Complete Mail Address 9112 S 15th St Oak Creek			
Registered Well Driller					

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 12-76

MAR 10 1982

COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>											
LOCATION <u>NW, NE, NW, Sec 15, 5N 22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Wm. Allen</u>													
OR - Grid or Street No. <u>2001</u> Street Name <u>E. Drexel Ave.</u>		ADDRESS <u>Same</u>													
AND - If available subdivision name, lot & block No.		POST OFFICE													
4. Distance in feet from well to nearest: (Record answer in appropriate block) <u>17</u>		Building		Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer			
		C.I.		Other		C.I.		Other		C.I. Sewer		Other Sewer			
Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump		Septic Tank		Holding Tank			
San.		Storm		C.I.		Other		Sewer		Clearwater Dr.		Clearwater Sump			
Privy		Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter		Animal Barn Pen		Animal Yard			
				Well		Nonconforming Existing				Silo With Pit		Glass Lined Storage Facility			
				Pump								Silo w/o Pit			
				Tank								Earthen Silage Storage Trench Or Pit			
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)					
5. Well is intended to supply water for: <u>Private home</u>						9. FORMATIONS									
						Kind		From (ft.)		To (ft.)					
6. DRILLHOLE						<u>Clay</u>		Surface		<u>60</u>		<u>10</u>			
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)						<u>Hard pan</u>		<u>60</u>		<u>111</u>					
<u>10</u> Surface <u>20</u> <u>6</u> <u>20</u> <u>156</u>						<u>limestone</u>		<u>111</u>		<u>156</u>					
7. CASING, LINER, CURBING AND SCREEN															
Material, Weight, Specification & Method of Assembly						From (ft.)		To (ft.)							
Dia. (in.)															
<u>6</u> <u>New, Steel</u>						Surface		<u>111</u>							
<u>Threaded & Coupled</u>															
<u>19.45/ft. ASTM</u>															
<u>A-120</u>															
<u>Union</u>															
8. GROUT OR OTHER SEALING MATERIAL						10. TYPE OF DRILLING MACHINE USED									
Kind						From (ft.)		To (ft.)		<input checked="" type="checkbox"/> Cable Tool				<input type="checkbox"/> Rotary-hammer w/drilling mud & air	
<u>Puddled mud</u>						Surface		<u>20</u>		<input type="checkbox"/> Rotary-air w/drilling mud				<input type="checkbox"/> Rotary-hammer & air	
										<input type="checkbox"/> Rotary-w/drilling mud				<input type="checkbox"/> Reverse Rotary	
														<input type="checkbox"/> Jetting with	
														<input type="checkbox"/> Air	
														<input type="checkbox"/> Water	
11. MISCELLANEOUS DATA						Well construction completed on <u>12-2</u> 1981									
Yield Test: <u>5</u> Hrs. at <u>20</u> GPM						Well is terminated <u>8</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below									
Depth from surface to normal water level <u>50</u> Ft.						Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Depth of water level when pumping <u>70</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Water sample sent to <u>Madison</u> laboratory on <u>12-3</u> 1981															
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.															
Signature <u>Donald May</u>						Complete Mail Address <u>9112 S. 13 St. Oak Creek</u>									
Registered Well Driller															

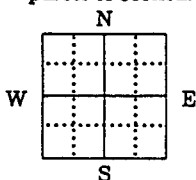
First Water Quality Test For WISCONSIN UNIQUE WELL NUMBER AT 715

ACT 25 1988 State of Wisconsin
Department of Natural Resources
Private Water Supply - WS/2
Box 7921
Madison, WI 53707

Property Owner Richard Lee		Telephone Number (414) 764-4746	
Mailing Address 1200 E. Froest Hill			
City Oak Creek, Wisconsin	State 53154	Zip Code 53154	
County 41 Milwaukee	County Well Location W	Well Completion Date 10/14/88 M M D D Y Y	

Well Constructor (Business Name) Roschi Bros., Inc.		Registration # WD435
Address 12665 W. Lisbon Road		
City Brookfield, Wis.	State 53005	Zip Code 53005

2. Mark well location
in correct 40-acre
parcel of section.



1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village Fire # (if available)
 of **Oak Creek**
 Grid or Street Address or Road Name and Number (if available)
1200E. Forest Hill

Subdivision Name Lot # Block #

Gov't Lot # SW 1/4 of SE 1/4 of NE 1/4 of
 Section 16: T 5 N; R 22 ☒ E ☐ W

3. Well Type ☐ New
☒ Replacement ☐ Reconstruction/Rehabilitation

of well constructed in 19 ____

Reason for new, reconstructed, replaced, or rehabilitated well?

original is hand dug well

☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other

4. Well serves 1 # of homes and/or
 (ex: barn, restaurant, church, school, industry, etc.)

High Capacity Well? ☐ Yes ☒ No

High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No

Well Located in Floodplain? ☐ Yes ☒ No

Distance In Feet From Well To Nearest:

1. Landfill
- 37 2. Building Overhang
- 50 3. Septic or Holding Tank
- 58 4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline/Swimming Pool

9. Downspout/Yard Hydrant

10. Privy

38 11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain

☐ Cast Iron or Plastic ☐ Other

14. Building Sewer ☐ Gravity ☐ Pressure

☐ Cast Iron or Plastic ☐ Other

15. Collector Sewer

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo - Type

21. Barn Gutter

22. Manure Pipe ☐ Gravity ☐ Pressure

☐ Cast Iron or Plastic ☐ Other

23. Other Manure Storage

Other NR 112 Waste Source

24.

6. Drillhole Dimensions			Method of constructing upper enlarged drillhole. (If applicable - more than one.)
Dia. (in.)	From (ft.)	To (ft.)	
10	surface	20	<input checked="" type="checkbox"/> 1. Rotary - Mud Circulation <input type="checkbox"/> 2. Rotary - Air <input type="checkbox"/> 3. Rotary - Foam <input type="checkbox"/> 4. Reverse Rotary <input type="checkbox"/> 5. Cable-tool Bit ____ in. dia. <input type="checkbox"/> 6. Temp. Outer Casing ____ in. dia. Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, explain ____ <input type="checkbox"/> 7. Other ____
6	20	163	

9. Geology		From (ft.)	To (ft.)
Type, Caving/Noncaving, Color, Hardness, Etc.			
-C- clay		surface	34
-G- gravel		34	39
-CG- stoney clay		39	61
-G- gravel		61	65
-L- limestone		65	163

7. Casing, Liner, Screen			
Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	black steel pipe, welded joints, 18.97 lb. ASTM A53 17.80 psi Taiwan	surface	65

8. Grout or Other Sealing Material			
Method	From (ft.)	To (ft.)	Sacks Cement
drilling mud	surface		

10. Static Water Level ____ ft. above ground level <u>15</u> ft. below ground surface	12. Well Is: <input checked="" type="checkbox"/> Above Grade <input type="checkbox"/> Below Grade Developed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Capped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11. Pump Test Pumping Level <u>15</u> ft. below surface Pumping at <u>30</u> GPM for <u>2</u> hours	

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant?
☐ Yes ☒ No If no, explain owner to do

14. Signature of Well Constructor Richard Roschi RR Date Signed 10-14-88
 Signature of Drill Rig Operator _____ Date Signed _____

Make additional comments on reverse side about geology, etc.

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

FEB 26 1986

1. COUNTY <u>MILWAUKEE</u> <u>Waukesha</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION OR - Grid or Street No. <u>1300</u> AND - If available subdivision name, lot & block No.		Section <u>SW, SE, NE, 16</u> Township <u>5N</u> Range <u>22E</u>		3. NAME <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Thomas Lee</u>	
4. Distance in feet from well to nearest (Record answer in appropriate block)		Building <u>14</u>		ADDRESS <u>9349A S. Nicholson Road</u>	
Sanitary Bldg. Drain C.I. Other		Sanitary Bldg. Sewer C.I. Other		Flood Drain Connected To: C.I. Sewer Other Sewer	
Storm Bldg. Drain C.I. Other		Storm Bldg. Sewer C.I. Other		ZIP CODE <u>53154</u>	
Street Sewer San. Storm C.I. Other		Foundation Drain Connected to: Sewer Clearwater Dr. Sewage Sump Clearwater Sump		Sewage Sump C.I. Other	
Clearwater Dr. Sump		Clearwater Sump		Holding Tank	
Sewage Absorption Unit: Seepage Pit Seepage Bed Seepage Trench		Manure Hopper or Retention or Pneumatic Tank			
Privy Pet Waste Pit		Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumproom Nonconforming Existing	
Barn Gutter		Animal Barn Pen		Animal Yard	
Silo With Pit		Glass Lined Storage Facility		Silo w/o Pit	
Earthen Storage Or Pit		Earthen Silage Storage Trench		Earthen Manure Basin	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe	
Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Manure Storage Basin: Concrete Floor Only Concrete Floor and Partial Concrete Walls	
Other (Describe)					
5. Well is intended to supply water for: <u>house</u>		9. FORMATIONS			
6. DRILLHOLE		Kind		From (ft.) To (ft.)	
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		clay		Surface 70	
10 Surface 20 6 20 165		hardpan		70 80	
		limestone		80 165	
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification					
Mfg. & Method of Assembly					
Dia. (in.) 6" black steel pipe welded joints 18.97		Surface			
1b. ASTM A120 1200 psi Valley Steel		80			
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud & air		<input type="checkbox"/> Jetting with	
drilling mud Surface 20		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air		<input type="checkbox"/> Air	
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary		<input type="checkbox"/> Water	
11. MISCELLANEOUS DATA		Well construction completed on <u>2-18-86</u> 19			
Yield Test: <u>3</u> Hrs. at <u>30</u> GPM		Well is terminated <u>8</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level <u>10</u> Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>14</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to <u>Madison</u> laboratory on <u>2-26</u> 19 <u>86</u>					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Richard Roschi</u>		Business Name and Complete Mailing Address <u>Roschi Bros. Well Drilling & Pumps, Inc.</u> <u>12665 W. Lisbon Rd. Brookfield, Wis. 5300</u>			
Registered Well Driller					

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 12-76

1. COUNTY <u>Milw.</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION <u>W¹/₂ NW, SW</u> Section <u>19</u> Township <u>5N</u> Range <u>22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE			
OR - Grid or Street No. <u>9200</u> Street Name <u>S. 27th ST.</u>		ADDRESS <u>9200 S. 27th ST.</u>			
AND - If available subdivision name, lot & block No.		POST OFFICE <u>Oak Creek</u>			
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>10</u>		Sanitary Bldg. Drain C.I. <u>100</u> Other <u>60</u>	
				Sanitary Bldg. Sewer C.I. <u>60</u> Other <u>75</u>	
				Floor Drain Connected To: C.I. Sewer <u>60</u> Other Sewer <u>75</u>	
				Storm Bldg. Drain C.I. <u>75</u> Other <u>75</u>	
				Storm Bldg. Sewer C.I. <u>75</u> Other <u>75</u>	
Street Sewer		Other Sewers		Foundation Drain Connected to:	
San. Storm C.I. Other		Sewer Clearwater Dr.		Sewage Sump C.I. Other	
Privy		Pet Waste Pit		Pit: Nonconforming Existing	
				Subsurface Pumproom	
				Barn Gutter	
				Animal Barn Pen	
				Animal Yard	
				Silo With Pit	
				Glass Lined Storage Facility	
				Silo w/o Pit	
				Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure	
				Subsurface Gasoline or Oil Tank	
				Waste Pond or Land Disposal Unit (Specify Type)	
				Other (Give Description)	
5. Well is intended to supply water for: <u>Funeral Parlor</u>		9. FORMATIONS			
		Kind		From (ft.) To (ft.)	
		<u>Clay</u>		<u>Surface</u> <u>110</u>	
		<u>hardpan</u>		<u>110</u> <u>200</u>	
		<u>limestone</u>		<u>200</u> <u>265</u>	
6. DRILLHOLE					
Dia. (in.) From (ft.) To (ft.)		Dia. (in.) From (ft.) To (ft.)			
<u>10</u> <u>Surface</u> <u>20</u> <u>6</u> <u>20</u> <u>265</u>					
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification & Method of Assembly		From (ft.) To (ft.)			
<u>6 New, steel</u>		<u>Surface</u> <u>200</u>			
<u>API-5LX</u>					
<u>19.45 lb/ft.</u>					
<u>Welded, Seamless</u>					
<u>Newport</u>					
8. GROUT OR OTHER SEALING MATERIAL					
Kind		From (ft.) To (ft.)			
<u>Drill Cuttings- mud</u>		<u>Surface</u> <u>20</u>			
11. MISCELLANEOUS DATA					
Yield Test: <u>24</u> Hrs. at <u>15</u> GPM		Well is terminated <u>10</u> inches		<input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below	
Depth from surface to normal water level <u>60</u> Ft.		Well disinfected upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth of water level when pumping <u>6.5</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to <u>Oak Creek</u> laboratory on <u>6-15</u> 1987					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Donald M. [unclear]</u>		Complete Mail Address <u>9112 S. 13th ST. Oak Creek</u>			
Registered Well Driller					

NOTE:

SEP 29 1988

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 2-79

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

NOV 25 1987

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <u>Oak Creek</u>		Name <u>Mike Mleczko</u>	
2. LOCATION OR - Grid or Street No. <u>9253</u> Street or Road Name <u>So 15 Ave</u> AND - If available subdivision name, lot & block No.		3. NAME <u>Mike Mleczko</u> ADDRESS <u>8020 S Willwood Dr.</u> POST OFFICE <u>Oak Creek</u> ZIP CODE <u>53154</u>		4. DISTANCE IN FEET FROM WELL TO NEAREST: (Record answer in appropriate block) Building <u>10</u> Sanitary Bldg. Drain C.I. Other Sanitary Bldg. Sewer C.I. Other Floor Drain Connected To: C.I. Sewer Other Sewer Storm Bldg. Drain C.I. Other Storm Bldg. Sewer C.I. Other	
5. WELL IS INTENDED TO SUPPLY WATER FOR: <u>Home</u>		9. FORMATIONS			
6. DRILLHOLE		10. TYPE OF DRILLING MACHINE USED			
7. CASING, LINER, CURBING AND SCREEN		11. MISCELLANEOUS DATA			
8. GROUT OR OTHER SEALING MATERIAL		12. SIGNATURE			
13. YOUR OPINION CONCERNING OTHER POLLUTION HAZARDS, INFORMATION CONCERNING DIFFICULTIES ENCOUNTERED, AND DATA RELATING TO NEARBY WELLS, SCREENS, SEALS, METHOD OF FINISHING THE WELL, AMOUNT OF CEMENT USED IN GROUTING, BLASTING, ETC., SHOULD BE GIVEN ON REVERSE SIDE.		14. BUSINESS NAME AND COMPLETE MAILING ADDRESS			

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

1. COUNTY <u>milw</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input type="checkbox"/> City		Name <u>oak Creek</u>	
2. LOCATION <u>5 1/2 SW NW Sec 19</u>		Township <u>5N</u> Range <u>22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <u>Elmer Sommers</u>	
OR - Grid of Street No. <u>2527</u>		Street Name <u>W Hilltop Ln.</u>		ADDRESS <u>4056 S. 56 ST</u>	
AND - If available subdivision name, lot & block No.				POST OFFICE <u>milw Wis.</u>	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>12</u>		Sanitary Bldg. Drain C.I. <u>65</u> Other <u>41</u>	
San. Street Sewer		Other Sewers C.I. <u>20</u> Other <u>20</u>		Foundation Drain Connected to: Sewage Sump C.I. <u>20</u> Other <u>20</u>	
Clearwater Dr. <u>20</u>		Sewage Sump <u>20</u>		Clearwater Sump <u>20</u>	
Septic Tank <u>20</u>		Holding Tank <u>20</u>		Sewage Absorption Unit	
Seepage Pit <u>20</u>		Seepage Bed <u>20</u>		Seepage Trench <u>20</u>	
Privy <u>20</u>		Pet Waste Pit <u>20</u>		Pit: Nonconforming Existing <u>20</u>	
Subsurface Pumproom <u>20</u>		Barn Gutter <u>20</u>		Animal Barn Pen <u>20</u>	
Animal Yard <u>20</u>		Silo With Pit <u>20</u>		Glass Lined Storage Facility <u>20</u>	
Silo w/o Pit <u>20</u>		Earthen Silage Storage Trench Or Pit <u>20</u>			
Temporary Manure Stack <u>20</u>		Watertight Liquid Manure Tank <u>20</u>		Solid Manure Storage Structure <u>20</u>	
Subsurface Gasoline or Oil Tank <u>20</u>		Waste Pond or Land Disposal Unit (Specify Type) <u>20</u>		Other (Give Description) <u>20</u>	
5. Well is intended to supply water for: <u>1 Family Home</u>					
6. DRILLHOLE					
Dia. (in.)		From (ft.)		To (ft.)	
<u>10</u>		<u>Surface</u>		<u>20</u>	
<u>7</u>		<u>0</u>		<u>158</u>	
7. CASING, LINER, CURBING AND SCREEN					
Dia. (in.)		Material, Weight, Specification & Method of Assembly		From (ft.) To (ft.)	
<u>7</u>		<u>steel-23 lb.-ft</u>		<u>Surface</u> <u>158</u>	
		<u>API 5S SA</u>			
		<u>Valley steel</u>			
		<u>thru & couple.</u>			
8. GROUT OR OTHER SEALING MATERIAL					
Kind		From (ft.)		To (ft.)	
<u>clay slurry</u>		<u>Surface</u>		<u>20</u>	
<u>Bentonite</u>					
9. FORMATIONS					
Kind		From (ft.)		To (ft.)	
<u>clay & sand</u>		<u>Surface</u>		<u>54</u>	
<u>gravel & sand</u>		<u>54</u>		<u>120</u>	
<u>sand</u>		<u>120</u>		<u>158</u>	
10. TYPE OF DRILLING MACHINE USED					
<input checked="" type="checkbox"/> Cable Tool		<input type="checkbox"/> Rotary-hammer w/drilling mud & air		<input type="checkbox"/> Jetting with	
<input type="checkbox"/> Rotary-air w/drilling mud		<input type="checkbox"/> Rotary-hammer & air		<input type="checkbox"/> Air	
<input type="checkbox"/> Rotary-w/drilling mud		<input type="checkbox"/> Reverse Rotary		<input type="checkbox"/> Water	
Well construction completed on <u>7-15</u> 19 <u>80</u>					
11. MISCELLANEOUS DATA					
Yield Test: <u>6</u>		Hrs. at <u>10</u> GPM		Well is terminated <u>11</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below	
Depth from surface to normal water level <u>90</u> Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>115</u> Ft.		Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to <u>Madison</u> laboratory on <u>9-17</u> 19 <u>80</u>					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Charles Lockman</u> Registered Well Driller			Complete Mail Address <u>8801 W Appleton</u>		

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 2-79

DEC 22 1982

1. COUNTY Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek	
2. LOCATION OR - Grid or Street No. 8900 AND - If available subdivision name, lot & block No.		1/4 Section or Gov't. Lot NW, SW, NW 19 5N 22E		3. NAME <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE Donald May	
4. Distance in feet from well to nearest: (Record answer in appropriate block) 9		Building Sanitary Bldg. Drain C.I. Other 200		Floor Drain Connected To: C.I. Sewer Other Sewer ZIP CODE 53154	
San. Storm C.I. Other		Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr. Clearwater Sump		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench	
Privy Pet Waste Pit: Nonconforming Existing		Subsurface Pumproom Nonconforming Existing		Barn Gutter Animal Barn Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit Earthen Manure Basin	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type)	
5. Well is intended to supply water for: house		6. DRILLHOLE Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		9. FORMATIONS Kind From (ft.) To (ft.)	
10 Surface 20 6 20 210		stoney clay Surface 18		clay 18 98	
		hardpan 98 110		limestone 110 210	
7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly From (ft.) To (ft.)		6 black steel pipe Surface		10. TYPE OF DRILLING MACHINE USED <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud <input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary	
8. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.)		drilling mud Surface 20		Well construction completed on 12-16 19 82	
11. MISCELLANEOUS DATA Yield Test: 4 Hrs. at 30 GPM		Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth from surface to normal water level 60 Ft.		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water sample sent to Madison laboratory on 12-17 1982	
Depth of water level when pumping 80 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

Signature

Richard Roschi

Registered Well Driller

Business Name and Complete Mailing Address

Roschi Bros. Well Drilling & Pumps, Inc
12665 W. Lisbon Rd. Brookfield, Wis. 530

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

JUL 18 1985

1. COUNTY		Milwaukee		CHECK (✓) ONE:		Name	
				<input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Oak Creek	
LOCATION		1/4 Section or Gov't. Lot		Section		TOWNSHIP	
		SW, SW, NE		19		5N 22E	
OR - Grid or Street No.		Street or Road Name		3. NAME			
9040		S. 20th Street		<input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING			
AND - If available subdivision name, lot & block No.				Ken Miller Homes, Inc.			
				ADDRESS		P. O. Box 415	
				POST OFFICE		ZIP CODE	
				New Berlin		53151	
4. Distance in feet from well to nearest:		Building		Sanitary Bldg. Drain		Sanitary Bldg. Sewer	
(Record answer in appropriate block)		15		C.I. Other		C.I. Other	
						11 pvc sch. 40	
Street Sewer		Other Sewers		Foundation Drain Connected to		Sewage Sump	
San. Storm		C.I. Other		Sewer		Clearwater Sump	
86				Clearwater Dr.		15	
Privy		Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom	
				Well		Nonconforming Existing	
				Pump			
				Tank			
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe		Subsurface Gasoline or Oil Tank	
						Waste Pond or Land Disposal Unit (Specify Type)	
						Manure Storage Basin	
						Concrete Floor Only	
						Concrete Floor and Partial Concrete Walls	
						Other (Describe)	
Well is intended to supply water for:		house		9. FORMATIONS			
				Kind		From (ft.) To (ft.)	
6. DRILLHOLE		Dia. (in.)		From (ft.) To (ft.)		clay	
		10		Surface 20 6 20 205		Surface 56 88 56	
						sandy gravel 56 68	
						clay 68 101	
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification		From (ft.) To (ft.)		hardpan 101 112	
		Mfg. & Method of Assembly		Surface		limestone 112 205	
		6" black steel pipe welded joints 18.97					
		1b. ASTM A120 1200 psi Valley Steel		112			
GROUT OR OTHER SEALING MATERIAL		Kind		From (ft.) To (ft.)		10. TYPE OF DRILLING MACHINE USED	
		drilling mud		Surface 20		<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud & air	
						<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water	
						<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air	
						<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary	
11. MISCELLANEOUS DATA		Yield Test: 5 Hrs. at 12 GPM		Well construction completed on 7-2 1985		Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below	
		Depth from surface to normal water level 48 Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Depth of water level when pumping 102 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to		Madison		laboratory on 7-3 1985			
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.							
Signature				Business Name and Complete Mailing Address			
Richard Roschi				Roschi Bros. Well Drilling & Pumps, Inc.			
Registered Well Driller				12665 W. Lisbon Rd. Brookfield, Wis. 5300			

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER AEO32

8 1988

State of Wisconsin
Department of Natural Resources
Private Water Supply - WS/2
Box 7921
Madison, WI 53707

Property Owner R. Gernall Telephone Number _____
Mailing Address _____
City 8809 S. Howell Ave. State Wisc Zip Code 53154
County Milwaukee County Well Location 41 Permit No. W Well Completion Date 4/1/88

1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village Fire # (if available) _____
of Oak Creek
Grid or Street Address or Road Name and Number (if available) 8809 S. Howell Ave.
Subdivision Name _____ Lot # _____ Block # _____

Well Constructor (Business Name) L.L. May Well Drilling License # 9
Address 9112 S. 13th ST.
City Oak Creek State Wisc Zip Code 53154
2. Mark well location in correct 40-acre parcel of section.
N
W E
S

Gov't Lot # SE 1/4 NE 1/4 of NE 1/4 of Section 20 T 5 N; R 22 E W

3. Well Type ☒ New
☐ Replacement ☐ Reconstruction/Rehabilitation
of well constructed in 1983
Reason for new, reconstructed, replaced, or rehabilitated well? New water

4. Well serves 1 # of homes and/or business
(ex: barn, restaurant, church, school, industry, etc.) High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No
Well Located in Floodplain? ☐ Yes ☒ No
Distance In Feet From Well To Nearest:
1. Landfill _____ 11. Foundation Drain to Clearwater _____
2. Building Overhang _____ 12. Foundation Drain to Sewer _____
3. Septic or Holding Tank _____ 13. Building Drain _____
4. Sewage Absorption Unit _____ ☐ Cast Iron or Plastic ☐ Other _____
5. Nonconforming Pit 100 14. Building Sewer ☒ Gravity ☐ Pressure
6. Buried Home Heating Oil Tank ☒ Cast Iron or Plastic ☐ Other _____
7. Buried Petroleum Tank _____ 15. Collector Sewer _____
8. Shoreline/Swimming Pool _____ 16. Clearwater Sump _____
17. Wastewater Sump _____
18. Paved Animal Barn Pen _____
19. Animal Yard or Shelter _____
20. Silo - Type _____
21. Barn Gutter _____
22. Manure Pipe ☐ Gravity ☐ Pressure
☐ Cast Iron or Plastic ☐ Other _____
23. Other Manure Storage _____
Other NR 112 Waste Source _____
24. _____

6. Drillhole Dimensions From To
Dia. (in.) (ft.) (ft.)
10 surface 20
20 20 200
Method of constructing upper enlarged drillhole. (If applicable more than one.)
☐ 1. Rotary - Mud Circulation
☐ 2. Rotary - Air
☐ 3. Rotary - Foam
☐ 4. Reverse Rotary
☒ 5. Cable-tool Bit 10 in. dia.
☐ 6. Temp. Outer Casing _____ in. dia.
Removed? ☒ Yes ☐ No
If no, explain _____
☐ 7. Other _____
9. Geology Type, Caving/Noncaving, Color, Hardness, Etc. From (ft.) To (ft.)
C Clay surface 100
P Hardpan 100 173
L limestone 173 200

7. Casing, Liner, Screen Material, Weight, Specification From To
Dia. (in.) Mfg. & Method of Assembly (ft.) (ft.)
6 New, Steel surface 173
Threaded + Coupled
19.45 lb/ft ASTM A53
USS Steel
Dia. (in.) screen type and material From To

8. Grout or Other Sealing Material Method From To # Sacks
Kind of Sealing Material (ft.) (ft.) Cement
Drill Cuttings - mud surface 20
10. Static Water Level 40 ft. below ground surface
11. Pump Test Pumping Level 50 ft. below surface
Pumping at 15 GPM for 30 hours
12. Well Is: ☒ Above Grade
☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No
13. Were all unused, noncomplying, or unsafe wells properly filled with sealant? ☒ Yes ☐ No If no, explain _____
14. Signature of Well Constructor DM Date Signed 4-6-88
Signature of Drill Rig Operator DM Date Signed _____

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

FEB 10 1983

1. COUNTY Milwaukee			CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City			Name Oak Creek																													
2. LOCATION OR - Grid or Street No. 2650 AND - If available subdivision name, lot & block No. SW, SE, SWSE, Sec 22			3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE Michael D'Alessandro			ADDRESS 1606 Hickory St. POST OFFICE Milwaukee, Wisc. ZIP CODE 53172																													
4. Distance in feet from well to nearest: (Record answer in appropriate block) 10			Sanitary Bldg. Drain C.I. NI Other			Sanitary Bldg. Sewer C.I. NI Other			Floor Drain Connected To: C.I. Sewer Other Sewer			Storm Bldg. Drain C.I. Other			Storm Bldg. Sewer C.I. Other																				
San. 135 Storm C.I. Other			Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr. Clearwater Sump			Sewage Sump C.I. Other			Clearwater Sump			Septic Tank			Holding Tank			Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench			Manure Hopper or Retention or Pneumatic Tank														
Privy			Pet Waste Pit			Pit: Nonconforming Existing			Subsurface Pumproom			Barn Gutter			Animal Barn Pen			Animal Yard			Silo With Pit			Glass Lined Storage Facility			Silo w/o Pit			Earthen Silage Storage Trench Or Pit			Earthen Manure Basin		
Temporary Manure Stack or Platform			Watertight Liquid Manure Tank or Basin			Manure Pressure Pipe			Subsurface Gasoline or Oil Tank			Waste Pond or Land Disposal Unit (Specify Type)			Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls			Other (Describe)																	
5. Well is intended to supply water for: Commercial Bldg.												9. FORMATIONS Kind From (ft.) To (ft.) Sand Surface 34 Clay 34 132 Gravel 132 138																							
6. DRILLHOLE Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.) 83/4 Surface 138																																			
7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification Dia. (in.) Mfg. & Method of Assembly From (ft.) To (ft.) 6 New black steel Surface 138 pipe plain end welded joints .280 wall 18.97 lb.pr.ft.wt. ASTM-A120 Ilssen Steel Co. Mfgr.																																			
8. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.) Bentonite & Cuttings Surface 138												10. TYPE OF DRILLING MACHINE USED <input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water <input checked="" type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary																							
11. MISCELLANEOUS DATA Yield Test: 1 1/2 Hrs. at 15 GPM Depth from surface to normal water level 8 Ft. Depth of water level when pumping 40 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												Well construction completed on 8 Dec. 15, 1982 Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																							
Water sample sent to Madison laboratory on Feb. 10, 1983																																			
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.												Business Name and Complete Mailing Address EGOESE - PORTER DRILLING INC. RT. 2 BOX 98 MUKWONAGO, WIS. 53149																							
Signature Dennis Porter, Sec. Registered Well Driller												plot																							

1. COUNTY MILWAUKEE		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name OAK CREEK	
2. LOCATION OR - Grid or Street No. 9800 AND - If available subdivision name, lot & block No.		1/4 Section or Gov't. Lot <input checked="" type="checkbox"/> Section 27 Township 5N Range 22E		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) OF MICHAEL KALHE ADDRESS 450 EAST DARLENE LA. POST OFFICE OAK CREEK WIS. ZIP CODE 53154	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 15		Sanitary Bldg. Drain C.I. Other	
San. Storm C.I. Other		Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr.		Sanitary Bldg. Sewer C.I. Other 20	
Clearwater Sump		Sewage Sump		Clearwater Sump	
Septic Tank		Holding Tank		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench	
Manure Hopper or Retention or Pneumatic Tank		Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls		Other (Describe)	
5. Well is intended to supply water for: Home		9. FORMATIONS			
6. DRILLHOLE		Kind From (ft.) To (ft.)			
Dia. (in.) From (ft.) To (ft.)		Surface 75			
10 Surface 20 6 20 194		CLAY HARD PAN LIME STONE 162 194			
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification Mfg. & Method of Assembly			
Dia. (in.) From (ft.) To (ft.)		Surface 162			
7 230BS PERFI A-120 1200 PSI WELDED VALLEY STEEL					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
DRILL CUTTINGS Surface 20		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
11. MISCELLANEOUS DATA		Well construction completed on 9-16 19 87			
Yield Test: 4 Hrs. at 10 GPM		Well is terminated 10 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level 21 Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping 138 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to MIDWEST LABS laboratory on NOV 19 87					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc. should be given on reverse side.		Signature MICHAEL HARTMAN Business Name and Complete Mailing Address WELL DRILLING 20200 Marshall Dr Hartland, WI 53029			

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

MAY 13 1985

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION OR - Grid or Street No. <u>3020 E.</u> Street or Road Name <u>Forest Ln.</u> AND - If available subdivision name, lot & block No.		1/4 Section or Gov't. Lot <input checked="" type="checkbox"/> Section <u>27</u> Township <u>5N</u> Range <u>22E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Loyal Grinker</u>	
		ADDRESS <u>416 W. Walnut</u>		POST OFFICE <u>Milwaukee, Wi.</u> ZIP CODE	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>24</u>		Sanitary Bldg. Drain C.I. <u>58</u> Other	
San. <u>66</u> Storm <u>66</u> C.I. <u>66</u> Other <u>66</u>		Sewage Sump <u>66</u> Clearwater Sump <u>66</u>		Septic Tank <u>66</u> Holding Tank <u>66</u>	
Sewage Absorption Unit <u>78</u>		Manure Hopper or Retention or Pneumatic Tank			
Privy <u>66</u> Pet Waste Pit <u>66</u>		Pit: Nonconforming Existing <u>66</u>		Subsurface Pumproom <u>66</u>	
Barn Gutter <u>66</u>		Animal Barn Pen <u>66</u>		Animal Yard <u>66</u>	
Silo With Pit <u>66</u>		Glass Lined Storage Facility <u>66</u>		Silo w/o Pit <u>66</u>	
Earthen Silage Storage Trench <u>66</u>		Earthen Manure Basin <u>66</u>			
Temporary Manure Stack or Platform <u>66</u>		Watertight Liquid Manure Tank or Basin <u>66</u>		Manure Storage Basin <u>66</u>	
Manure Pressure Pipe <u>66</u>		Subsurface Gasoline or Oil Tank <u>66</u>		Waste Pond or Land Disposal Unit (Specify Type) <u>66</u>	
Other (Describe) <u>66</u>					
5. Well is intended to supply water for: <u>Existing Home</u>		9. FORMATIONS			
		Kind From (ft.) To (ft.)			
6. DRILLHOLE		Clay Surface 134			
Dia. (in.) From (ft.) To (ft.)		Lime stone 134 312			
8 3/4 Surface 135		Lime stone / shale 312 408			
6 135 427		Shale 408 427			
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification					
Dia. (in.) Mfg. & Method of Assembly From (ft.) To (ft.)					
6 New black steel Surface 135					
pipe, plain end welded joints					
18.97 lb. pr. ft. wt. .280 wall					
Hstn - A53 B					
NKK Mfg. Japan					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
Bentonite + Cuttings Surface 135		<input checked="" type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
11. MISCELLANEOUS DATA		Well construction completed on <u>April 29</u> 19 <u>85</u>			
Yield Test: <u>1 1/2</u> Hrs. at <u>5</u> GPM		Well is terminated <u>8</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level <u>41</u> Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>190</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to <u>Madison</u> laboratory on <u>May 7</u> 19 <u>85</u>					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Dennis Porter, Pres.</u> Registered Well Driller		Business Name & Complete Mailing Address <u>EGO, INC. - PORTER DRILLING INC.</u> <u>RT. 2 BOX 98</u> <u>MUKWONGO, WIS. 53148</u>			

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

MAY 20 1981

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <u>Oak Creek</u>		Name <u>John Osten</u>	
2. LOCATION OR - Grid or Street No. <u>10130</u> AND - If available subdivision name, lot & block No.		1/4 Section or Gov't. Lot <u>NE, SE, SE</u> Section <u>28</u> Township <u>5-N</u> Range <u>22-E</u>		3. NAME <u>John Osten</u> AGENT AT TIME OF DRILLING CHECK (✓) OR	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>12</u>		Sanitary Bldg. Drain C.I. Other	
San. Storm C.I. Other		Sewage Sump Clearwater Dr. <u>12</u>		Sanitary Bldg. Sewer C.I. Other	
Foundation Drain Connected to:		Sewage Sump Clearwater Sump		Floor Drain Connected To: C.I. Sewer Other Sewer <u>PVC 14</u> <u>PVC 14</u>	
Street Sewer		Other Sewers		Storm Bldg. Drain C.I. Other	
San. Storm C.I. Other		Sewer Clearwater Dr.		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench	
Privy		Pet Waste Pit		Manure Hopper or Retention or Pneumatic Tank	
Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter	
Well		Nonconforming Existing		Animal Barn Pen	
Pump				Animal Yard	
Tank				Silo With Pit	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Glass Lined Storage Facility	
Manure Pressure Pipe		Subsurface Gasoline or Oil Tank		Silo w/o Pit	
Waste Pond or Land Disposal Unit (Specify Type)		Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls		Earthen Silage Storage Trench Or Pit	
Other (Describe) <u>Schedule 40</u> <u>7-9-81</u>				Earthen Manure Basin	
5. Well is intended to supply water for: <u>Home</u>		9. FORMATIONS		Kind	
6. DRILLHOLE		Dia. (in.)		From (ft.) To (ft.)	
Dia. (in.) From (ft.) To (ft.)		Dia. (in.) From (ft.) To (ft.)		Kind	
<u>10</u> <u>Surface</u> <u>10</u>		<u>10</u> <u>Surface</u> <u>10</u>		<u>Clay</u> <u>Surface</u> <u>10</u>	
<u>6</u> <u>10</u> <u>149</u>		<u>6</u> <u>10</u> <u>149</u>		<u>Sand</u> <u>10</u> <u>35</u>	
				<u>Stony Clay</u> <u>35</u> <u>63</u>	
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification		Hard Pan	
Dia. (in.) Mfg. & Method of Assembly		From (ft.) To (ft.)		Stony Clay	
<u>6</u> <u>Steel Casing 19.45</u>		<u>Surface</u> <u>144</u>		Hard Pan	
<u>T.C. New Astm A53</u>				Lime Rock	
<u>sumitomo</u>					
8. GROUT OR OTHER SEALING MATERIAL		Kind		From (ft.) To (ft.)	
Kind		From (ft.) To (ft.)		10. TYPE OF DRILLING MACHINE USED	
<u>Clay Slurry</u>		<u>Surface</u> <u>10</u>		<input checked="" type="checkbox"/> Cable Tool	
				<input type="checkbox"/> Rotary-air w/drilling mud	
				<input type="checkbox"/> Rotary-hammer w/drilling mud & air	
				<input type="checkbox"/> Jetting with	
				<input type="checkbox"/> Air	
				<input type="checkbox"/> Water	
				<input type="checkbox"/> Reverse Rotary	
				Well construction completed on <u>May 9, 1981</u>	
11. MISCELLANEOUS DATA		Yield Test: <u>3</u> Hrs. at <u>15</u> GPM		Well is terminated <u>8</u> inches	
Depth from surface to normal water level <u>36</u> Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth of water level when pumping <u>36</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water sample sent to <u>Madison</u> laboratory on <u>May 9, 1981</u>			

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature

Daniel J. Reber

Registered Well Driller

Business Name and Complete Mailing Address

10981 W. Forest Home Ave. Hales Corners, Wis.

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

SEP 26 1980

1. COUNTY Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek	
2. LOCATION NW, NE, SE, 28 5N 22E		3. NAME OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE Excellency Homes		ADDRESS 4644 S. 76th St.	
OR - Grid or Street No. 9931		Street Name S. McGraw Drive		POST OFFICE Greenfield	
AND - If available subdivision name, lot & block No.					
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 12		Sanitary Bldg. Drain C.I. Other not in	
San. Storm C.I. Other		Foundation Drain Connected to: Sewage Sump C.I. Other		Clearwater Sump Septic Tank Holding Tank Sewage Absorption Unit	
Privy Pet Waste Pit		Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumphoom Nonconforming Existing Barn Gutter Animal Barn Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) Other (Give Description)	
5. Well is intended to supply water for: house		9. FORMATIONS			
6. DRILLHOLE		Kind From (ft.) To (ft.)			
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		clay Surface 130			
10 Surface 20 6 20 222		hardpan 130 155			
		limestone 155 222			
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification & Method of Assembly		Dia. (in.) From (ft.) To (ft.)			
6 black steel pipe		Surface			
welded joints					
18.97 lb. ASTM A53					
Valley steel		155			
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
drilling mud Surface 20		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
11. MISCELLANEOUS DATA		Well construction completed on 9-4 1980			
Yield Test: 5 Hrs. at 20 GPM		Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level 80 Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping 83 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to Madison		laboratory on 9-5 1980			
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					

Signature

Complete Mail Address

Richard Paschi

Registered Well Driller

12665 W. Lisbon Rd. Brookfield, Wis. 5300

1. COUNTY MILWAUKEE

2. LOCATION SW, SW, SE
10255
17001TH AVE

3. NAME CAMBRIDGE HOMES
4551 DOUGLAS AVE
RACINE WIS 53402

4. Distance in feet from well to nearest: (Record answer in appropriate block)

5. Well is intended to supply water for: HOME

6. DRILLHOLE

7. CASING, LINER, CURBING AND SCREEN

8. GROUT OR OTHER SEALING MATERIAL

9. FORMATIONS

10. TYPE OF DRILLING MACHINE USED

11. MISCELLANEOUS DATA

Signature [Signature]
Registered Well Driller

Business Name and Complete Mailing Address 82 W 23230 Marshall Dr
Hartland, WI 53029

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy


WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 5-85

AUG 18 1987

1. COUNTY <u>milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION OR - Grid or Street No. <u>10261</u> AND - If available subdivision name, lot & block No.		1/4 Section or Gov't. Lot <u>SW SW SE</u> Section <u>30</u> Township <u>5N</u> Range <u>22E</u>		3. NAME <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>BADGER HOMES</u>	
		ADDRESS <u>Box 51</u>		POST OFFICE <u>New Berlin</u>	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>17</u>		Sanitary Bldg. Drain C.I. <u>15</u>	
		Sanitary Bldg. Sewer C.I. <u>15</u>		Floor Drain Connected To: C.I. <u>15</u>	
		Storm Bldg. Drain C.I. <u>15</u>		Storm Bldg. Sewer C.I. <u>15</u>	
		Foundation Drain Connected to: Sewage Sump C.I. <u>15</u>		Clearwater Sump	
		Septic Tank		Holding Tank	
		Sewage Absorption Unit: Seepage Pit		Manure Hopper or Retention or Pneumatic Tank	
		Seepage Bed		Seepage Trench	
Privy		Pet Waste Pit		Pit: Nonconforming Existing	
		Well		Subsurface Pumproom	
		Pump		Nonconforming Existing	
		Tank		Barn Gutter	
				Animal Barn Pen	
				Animal Yard	
				Silo With Pit	
				Glass Lined Storage Facility	
				Silo w/o Pit	
				Earthen Silage Storage Trench Or Pit	
				Earthen Manure Basin	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe	
		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)	
				Manure Storage Basin	
				Concrete Floor Only	
				Concrete Floor and Partial Concrete Walls	
				Other (Describe)	
5. Well is intended to supply water for: <u>home</u>		9. FORMATIONS			
		Kind		From (ft.) To (ft.)	
		<u>CLAY</u>		Surface <u>194</u>	
		<u>GRAVEL</u>		<u>194</u> <u>206</u>	
		<u>Limerock</u>		<u>206</u> <u>282</u>	
6. DRILLHOLE		Dia. (in.)		From (ft.) To (ft.)	
		<u>12</u>		Surface <u>20</u>	
		<u>6 1/4</u>		<u>206</u> <u>282</u>	
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification		From (ft.) To (ft.)	
		Dia. (in.) Mfg. & Method of Assembly			
		<u>700 1/4" ID</u>		Surface <u>206</u>	
		<u>steel 26"</u>			
		<u>Astm A-120</u>			
		<u>USP. welded</u>			
		<u>1200 PSI</u>			
8. GROUT OR OTHER SEALING MATERIAL		Kind		From (ft.) To (ft.)	
		<u>CLAY SLURRY</u>		Surface <u>20</u>	
10. TYPE OF DRILLING MACHINE USED		<input checked="" type="checkbox"/> Cable Tool		<input type="checkbox"/> Rotary-hammer w/drilling mud & air	
		<input type="checkbox"/> Rotary-air w/drilling mud		<input type="checkbox"/> Rotary-hammer & air	
		<input type="checkbox"/> Rotary-w/drilling mud		<input type="checkbox"/> Reverse Rotary	
		<input type="checkbox"/> Jetting with		<input type="checkbox"/> Air	
				<input type="checkbox"/> Water	
11. MISCELLANEOUS DATA		Yield Test: <u>6</u> Hrs. at <u>10</u> GPM		Well construction completed on <u>Aug 12</u> 1987	
		Depth from surface to normal water level <u>55</u> Ft.		Well is terminated <u>12</u> inches <input type="checkbox"/> above final grade <input type="checkbox"/> below	
		Depth of water level when pumping <u>150</u> Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
		Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to <u>MADISON</u>		laboratory on <u>Aug 17</u> 1987			
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Richard Mauer</u>		Business Name and Complete Mailing Address <u>SUBURBAN WELL DRILLING</u> <u>RT 4 MUKWAGO</u>			
Registered Well Driller					

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

1. COUNTY Milwaukee			CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City			Name Oak Creek											
2. LOCATION 1/4 Section or Gov't. Lot NW, SW, SE, NE 30 T5N R22E			3. NAME <input type="checkbox"/> OWNER <input checked="" type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) O Oakmont Homes, Inc. owner: Ronald Kuehn														
OR - Grid or Street No. 10170 Street or Road Name South Judith Place			ADDRESS 7330 W. Layton Avenue														
AND - If available subdivision name, lot & block No.			POST OFFICE Milwaukee, Wisconsin			ZIP CODE 53220											
4. Distance in feet from well to nearest: (Record answer in appropriate block)			Building 14		Sanitary Bldg. Drain C.I. Other		Sanitary Bldg. Sewer C.I. Other		Floor Drain Connected To: C.I. Sewer Other Sewer		Storm Bldg. Drain C.I. Other		Storm Bldg. Sew C.I. Other				
Street Sewer San. Storm		Other Sewers C.I. Other		Foundation Drain Connected to: Sewer Clearwater Dr. Sewage Sump Clearwater Sump		Sewage Sump C.I. Other		Clearwater Sump		Septic Tank		Holding Tank		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench		Manure Hopper or Retention or Pneumatic Tank	
Privy		Pet Waste Pit		Pit: Nonconforming Existing Well Pumph Tank		Subsurface Pumproom Nonconforming Existing		Barn Gutter		Animal Barn Pen		Animal Yard		Silo With Pit		Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit Earthen Manure Basin	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls		Other (Describe)					
5. Well is intended to supply water for: Home									9. FORMATIONS								
									Kind		From (ft.)		To (ft.)				
6. DRILLHOLE									Clay		Surface		195				
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)									Limestone		195		282				
8 3/4 Surface 195																	
6 195 282																	
7. CASING, LINER, CURBING AND SCREEN																	
Material, Weight, Specification																	
Dia. (in.) Mfg. & Method of Assembly From (ft.) To (ft.)																	
6 18.97 lbs. per foot Surface 195																	
New steel plain end ASTM A120 Interlake																	
8. GROUT OR OTHER SEALING MATERIAL									10. TYPE OF DRILLING MACHINE USED								
Kind From (ft.) To (ft.)									<input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with								
Clay slurry & drilling mud Surface 195									<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air								
									<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water								
									Well construction completed on August 7, 1987								
11. MISCELLANEOUS DATA																	
Yield Test: 5 Hrs. at 17 GPM									Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below								
Depth from surface to normal water level 97 Ft.									Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
Depth of water level when pumping 125 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
Water sample sent to Madison laboratory on August 10, 1987																	
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.																	
Signature  Registered Well Driller									Business Name and Complete Mailing Address Herr Well Drilling, Inc. W295 Herr Road, Dousman, Wisconsin 53118								

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 10-75

1. COUNTY <u>Milwaukee</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City <u>Oak Creek</u>		Name	
2. LOCATION <input checked="" type="checkbox"/> NW, SW, Section <u>SE</u> Section <u>30</u> Township <u>5-N</u> Range <u>22-E</u>		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE <u>Dale Mersenski</u>		ADDRESS <u>10142 So. Judith Place</u>	
OR - Grid or Street No. <u>10142</u> Street Name <u>So. Judith Place</u>		POST OFFICE <u>Oak Creek, Wis.</u>			
AND - If available subdivision name, lot & block No.					
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>12</u>		Sanitary Bldg. Drain C.I. <u>18</u> Other	
		Sanitary Bldg. Sewer C.I. <u>18</u> Other		Floor Drain Connected To: C.I. Sewer <u>18</u> Other Sewer	
		Storm Bldg. Drain C.I. Other		Storm Bldg. Sew C.I. Other	
Street Sewer <u>75</u> Other Sewers		Foundation Drain Connected to: Sewer <u>12</u> Sewage Sump C.I. Other		Clearwater Sump	
San. Storm C.I. Other		Sewage Sump		Septic Tank	
Privy		Clearwater Dr.		Holding Tank	
Pet Waste Pit		Sewage Sump		Sewage Absorption Unit	
Pit: Nonconforming Existing		Subsurface Pumproom		Seepage Pit	
Well		Nonconforming Existing		Seepage Bed	
Pump		Barn Gutter		Seepage Trench	
Tank		Animal Barn Pen			
Temporary Manure Stack		Animal Yard			
Watertight Liquid Manure Tank		Silo With Pit			
Solid Manure Storage Structure		Glass Lined Storage Facility			
Subsurface Gasoline or Oil Tank		Silo w/o Pit			
Waste Pond or Land Disposal Unit (Specify Type)		Earthen Silage Storage Trench Or Pit			
Other (Give Description)					
5. Well is intended to supply water for: <u>Home</u>		9. FORMATIONS			
		Kind		From (ft.) To (ft.)	
6. DRILLHOLE		Clay		Surface 45	
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		Stony Clay		45 65	
10 Surface 20		Sandy Clay		65 170	
6 20 295		Hard Pan		170 198	
7. CASING, LINER, CURBING AND SCREEN		Lime Rock		198 295	
Material, Weight, Specification & Method of Assembly					
Dia. (in.) From (ft.) To (ft.)					
6 Steel Casing 19.45					
To C. New Astm A120					
union steel					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
Clay Slurry		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
Surface 20		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
		Well construction completed on <u>July 3, 1980</u>			
11. MISCELLANEOUS DATA		Well is terminated <u>8</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Yield Test: <u>7</u> Hrs. at <u>10</u> GPM		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth from surface to normal water level <u>66</u> Ft.		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping <u>145</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Water sample sent to <u>Madison</u> laboratory on <u>July 3, 1980</u>					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Wanda J. Acker</u>		Complete Mail Address <u>109814. Post Home Ave. Halie Corners, Wis.</u>			
Registered Well Driller					

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

DEC 29 1980

1. COUNTY Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek	
2. LOCATION <input checked="" type="checkbox"/> SW <input type="checkbox"/> NW <input type="checkbox"/> SE <input type="checkbox"/> NE OR - Grid or Street No. 9840 AND - If available subdivision name, lot & block No.		Section 30 Township 5-N Range 22-E		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) OR Milwaukee Concrete Studios LTD. ADDRESS 9840 So. 27th Street POST OFFICE Oak Creek WI ZIP CODE 53154	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 20		Sanitary Bldg. Drain C.I. 60 Other	
San. Street Sewer		Other Sewers C.I. Other		Foundation Drain Connected to: Sewage Sump C.I. Other	
Clearwater Dr.		Clearwater Sump		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench	
Privy		Pet Waste Pit		Holding Tank 70	
Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter	
Well		Nonconforming Existing		Animal Barn Pen	
Pump				Animal Yard	
Tank				Silo With Pit	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls	
Manure Pressure Pipe		Subsurface Gasoline or Oil Tank		Other (Describe)	
Waste Pond or Land Disposal Unit (Specify Type)					
5. Well is intended to supply water for: Office & Ornamental Concrete Factory		9. FORMATIONS			
6. DRILLHOLE		Kind From (ft.) To (ft.)			
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		Clay (some sand mixed) Surface 20			
10 Surface 20		Sandy Clay 20 171			
6 20 250		Hard Pan 171 191			
7. CASING, LINER, CURBING AND SCREEN		Stony Clay 191 210			
Material, Weight, Specification Mfg. & Method of Assembly # From (ft.) To (ft.)		Hard Pan 210 230			
6 Steel Casing 19.45 T.A.C. New Astm 120 Surface 230		Lime Rock 230 250			
Union					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
Drill Cuttings Clay Slurry Surface 20		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
11. MISCELLANEOUS DATA		Well construction completed on December 16, 1980			
Yield Test: 4 Hrs. at 20 GPM		Well is terminated 8 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Depth from surface to normal water level 44 Ft.		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping 50 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Water sample sent to Madison laboratory on December 16, 1980					

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature

Daniel J. Pku

Registered Well Driller

Business Name and Complete Mailing Address

10981 W. Junet Hane Ave. Hales Corners, Wis.

NOV 19 1987

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 12-76


1. COUNTY <u>Milw</u>		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name <u>Oak Creek</u>	
2. LOCATION <u>SE, NE, NW 30</u>		Township <u>5N</u>		Range <u>22E</u>	
OR - Grid or Street No. <u>9625</u>		Street Name <u>S. 20th ST.</u>		ADDRESS <u>9625 S. 20th ST.</u>	
AND - If available subdivision name, lot & block No.		POST OFFICE <u>Oak Creek</u>			
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building <u>20</u>		Sanitary Bldg. Drain <u>20</u>	
		Sanitary Bldg. Sewer <u>30</u>		Floor Drain Connected To:	
		C.I. Other		C.I. Sewer Other Sewer	
		C.I. Other		C.I. Other	
Street Sewer		Other Sewers		Foundation Drain Connected to:	
San. Storm		C.I. Other		Sewage Sump	
				Clearwater Sump	
				Septic Tank	
				Holding Tank	
				Sewage Absorption Unit	
				Seepage Pit	
				Seepage Bed	
				Seepage Trench	
Privy		Pet Waste Pit		Pit: Nonconforming Existing	
				Subsurface Pump Room	
				Barn Gutter	
				Animal Barn Pen	
				Animal Yard	
				Silo With Pit	
				Glass Lined Storage Facility	
				Silo w/o Pit	
				Earthen Silage Storage Trench Or Pit	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure	
				Subsurface Gasoline or Oil Tank	
				Waste Pond or Land Disposal Unit (Specify Type)	
		Other (Give Description)			
5. Well is intended to supply water for: <u>Truck Wash - Non potable</u>					
6. DRILLHOLE					
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>Surface</u>	<u>20</u>	<u>6</u>	<u>20</u>	<u>370</u>
7. CASING, LINER, CURBING AND SCREEN					
Material, Weight, Specification & Method of Assembly					
Dia. (in.)	From (ft.)		To (ft.)		
<u>6 New, Steel</u>	<u>Surface</u>		<u>204</u>		
<u>Threaded + Coupled</u>					
<u>19.4516/FT</u>					
<u>ASTM A-53</u>					
<u>Newport</u>					
8. GROUT OR OTHER SEALING MATERIAL					
Kind		From (ft.)		To (ft.)	
<u>drill Cuttings-mud</u>		<u>Surface</u>		<u>20</u>	
9. FORMATIONS					
Kind			From (ft.)		To (ft.)
<u>Clay</u>			<u>Surface</u>		<u>90</u>
<u>hard pan</u>			<u>90</u>		<u>204</u>
<u>limestone</u>			<u>204</u>		<u>370</u>
10. TYPE OF DRILLING MACHINE USED					
<input checked="" type="checkbox"/> Cable Tool		<input type="checkbox"/> Rotary-hammer w/drilling mud & air		<input type="checkbox"/> Jetting with	
<input type="checkbox"/> Rotary-air w/drilling mud		<input type="checkbox"/> Rotary-hammer & air		<input type="checkbox"/> Air	
<input type="checkbox"/> Rotary-w/drilling mud		<input type="checkbox"/> Reverse Rotary		<input type="checkbox"/> Water	
Well construction completed on <u>2-31-87</u>					
11. MISCELLANEOUS DATA					
Yield Test: <u>24</u> Hrs. at <u>60</u> GPM		Well is terminated <u>10</u> inches		<input checked="" type="checkbox"/> above final grade	
Depth from surface to normal water level <u>13</u> Ft.		Well disinfected upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Depth of water level when pumping <u>55</u> Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Well sealed watertight upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water sample sent to _____ laboratory on _____ 19__					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature <u>Donald M. J.</u>			Complete Mail Address <u>9112 S. 13th ST.</u>		
Registered Well Driller					

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15
Rev. 12-76

84-004 DEC 27 1984

1. COUNTY Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name Oak Creek								
2. LOCATION OR - Grid or Street No. NW NW 2537		Section 31	Township 5N	Range 22E	3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE St. John's School							
AND - If available subdivision name, lot & block No.				ADDRESS 10302 S. 27th Street								
				POST OFFICE Oak Creek, WI 53154								
4. Distance in feet from well to nearest: (Record answer in appropriate block)		Building 20	Sanitary Bldg. Drain C.I. 50 Other	Sanitary Bldg. Sewer C.I. 100 Other	Floor Drain Connected To: C.I. Sewer Other Sewer	Storm Bldg. Drain C.I. Other	Storm Bldg. Sewer C.I. Other					
Street Sewer San. Storm		Other Sewers C.I. Other		Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr.		Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench						
Privy Pet Waste Pit		Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumproom Nonconforming Existing		Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description) FILE I.D.: 84-004		
5. Well is intended to supply water for: school					9. FORMATIONS			Kind		From (ft.)	To (ft.)	
6. DRILLHOLE								Clay		Surface	60	
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)								Blue clay		60	125	
10 Surface 60 6 60 304								Sand & gravel		125	155	
7. CASING, LINER, CURBING AND SCREEN								Hardpan		155	226	
Material, Weight, Specification & Method of Assembly								Limestone		226	304	
Dia. (in.) From (ft.) To (ft.)								Well #1				
10 Steel, new, ASTM Surface 60								PERM WELL# 90371				
120, 34.25lb./ft welded								CC: STATE GEOLOGIST				
6 Steel, new, ASTM 0 226								10. TYPE OF DRILLING MACHINE USED				
A-53 19.45lb./ft.								<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with				
8. GROUT OR OTHER SEALING MATERIAL								<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air				
Kind From (ft.) To (ft.)								<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water				
Neat cement Surface 60								Well construction completed on		12-5	19 84	
11. MISCELLANEOUS DATA								Yield Test: 5 Hrs. at 50 GPM		Well is terminated 24 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below		
Depth from surface to normal water level 60 Ft.								Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Depth of water level when pumping 90 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Water sample sent to Spec. Cap. = 1.7 gpm/ft. d.d. Madison								laboratory on 12-12 19 84				
Your opinion concerning other pollution hazards, information concerning difficulties encountered, data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse.								Signature 		Complete Mail Address 9112 S. 13th. St. Oak Creek		
Registered Well Driller												

NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

JAN 29 1986

1. COUNTY		Milwaukee		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name		Oak Creek	
2. LOCATION		NW, NE, NW, 31 5N 22E		3. NAME		OWNER		AGENT AT TIME OF DRILLING CHECK (✓) ONE	
OR - Grid or Street No.		2211		Street or Road Name		W. Oakwood Rd.		ADDRESS	
AND - If available subdivision name, lot & block No.				POST OFFICE		Oak Creek		ZIP CODE	
4. Distance in feet from well to nearest: (Record answer in appropriate block)		15		Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:	
		C.I.		Other		C.I.		Other	
		45		45		45		45	
Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	
San.		Storm		C.I.		Other		C.I.	
275						25		25	
Privy		Pet Waste Pit		Pit: Nonconforming Existing		Subsurface Pumproom		Barn Gutter	
				Well		Nonconforming Existing		Animal Barn Pen	
				Pump				Animal Yard	
				Tank				Silo With Pit	
Temporary Manure Stack or Platform		Watertight Liquid Manure Tank or Basin		Manure Pressure Pipe		Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)	
								Manure Storage Basin	
								Concrete Floor Only	
								Concrete Floor and Partial Concrete Walls	
								Other (Describe)	
5. Well is intended to supply water for:		Home		9. FORMATIONS		Kind		From (ft.) To (ft.)	
						Clay		Surface 134	
6. DRILLHOLE		Dia. (in.) From (ft.) To (ft.)		Dia. (in.) From (ft.) To (ft.)		Sandyclay,		134 187	
		10 Surface 20 6 20 306				gravel and sand		187 214	
						limestone		214 306	
7. CASING, LINER, CURBING AND SCREEN		Material, Weight, Specification		From (ft.) To (ft.)					
		Mfg. & Method of Assembly							
		6 New Black A-53		Surface 214					
		P.E. 19#							
8. GROUT OR OTHER SEALING MATERIAL		Kind		From (ft.) To (ft.)		10. TYPE OF DRILLING MACHINE USED			
		Clay slurry		Surface 20		<input checked="" type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
						<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
						<input type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
						Well construction completed on		1-6 1986	
11. MISCELLANEOUS DATA		Yield Test: 18 Hrs. at 15 GPM		Well is terminated 12 inches		<input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
		Depth from surface to normal water level 50 Ft.		Well disinfected upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Depth of water level when pumping 130 Ft.		Well sealed watertight upon completion		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Water sample sent to		Madison		laboratory on		1-7		1986	
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.									
Signature		Stew L. Hartman		Business Name and Complete Mailing Address		HARTMAN WELL DRILLING & PUMP CO.		12350 New Berlin Avenue	
		Registered Well Driller						New Berlin, WI 53151	
								547 5222	

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY Milwaukee CHECK ONE ☐ Town ☐ Village ☒ City NAME Oak Creek

2. LOCATION 7 NW, NE, NW Section 31 Township 5N Range 22E

OR - Grid or street no. 2231 Street name W. Oakwood Pl.

3. OWNER AT TIME OF DRILLING Mark Gastrow

ADDRESS 2231 W. Oakwood Pl.

POST OFFICE Oak Creek Wis

4. Distance in feet from well to nearest:

BUILDING	SANITARY SEWER	FLOOR DRAIN	FOUNDATION DRAIN	WASTE WATER DRAIN
<u>11</u>	<u>35</u>	<u>11</u>		
C. I.	TILE	C. I.	TILE	TILE

(Record answer in appropriate block)

CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILLO	ABANDONED WELL	SINK HOLE
C. I.	TILE							

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
<u>10</u>	<u>Surface</u>	<u>20</u>	<u>6</u>	<u>20</u>	<u>260</u>

9. FORMATIONS

Kind	From (ft.)	To (ft.)
<u>Clay (stone)</u>	<u>Surface</u>	<u>115</u>
<u>Clay (sandy)</u>	<u>115</u>	<u>145</u>
<u>Clay (blue)</u>	<u>145</u>	<u>195</u>
<u>Clay (stone)</u>	<u>195</u>	<u>215</u>
<u>Limestone</u>	<u>215</u>	<u>260</u>

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
<u>6</u>	<u>19-45 T.C. Black iron new.</u>	<u>Surface</u>	<u>215</u>
	<u>A.S.T.M. A 53 B</u>		
	<u>Sumitomo</u>		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
<u>Clay slurry</u>	<u>Surface</u>	<u>20</u>

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary

☐ Rotary - air w/drilling mud ☐ Rotary - hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on Jan. 9 19 80

11. MISCELLANEOUS DATA

Yield test: 5 Hrs. at 12 GPM

Well is terminated 8 inches ☒ above ☐ below final grade

Depth from surface to normal water level 56 ft. Well disinfected upon completion ☒ Yes ☐ No

Depth to water level when pumping 83 ft. Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on: March 7 19 80

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Kenneth J. Sweeney COMPLETE MAIL ADDRESS 11221 W. St. Martin Pl. Franklin 5313

Registered Well Driller

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
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NOTE:

White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

APR 15 1986

1. COUNTY <input checked="" type="checkbox"/> MILWAKEE		CHECK (✓) ONE: <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City		Name OAK CREEK	
2. LOCATION NW 1/4 Section 36 Township T5N Range 22E		3. NAME <input checked="" type="checkbox"/> OWNER <input type="checkbox"/> AGENT AT TIME OF DRILLING CHECK (✓) ONE WISCONSIN ELECTRIC COMPANY			
OR - Grid or Street No. 4401		Street Name EAST OAKWOOD RD.		ADDRESS 231 W. MICHIGAN ST.	
AND - If available subdivision name, lot & block No.		POST OFFICE MILWAKEE, WIS. 53201			
4. Distance in feet from well to nearest: (Record answer in appropriate block) 40'		Building Sanitary Bldg. Drain C.I. Other		Sanitary Bldg. Sewer C.I. Other	
Street Sewer San. Storm C.I. Other		Foundation Drain Connected to: Sewer Sewage Sump Clearwater Dr. Clearwater Sump		Floor Drain Connected To: C.I. Sewer Other Sewer	
Other Sewers San. Storm C.I. Other		Sewage Sump C.I. Other		Clearwater Sump Septic Tank Holding Tank	
Pit: Nonconforming Existing Well Pump Tank		Subsurface Pumproom Nonconforming Existing		Barn Gutter Animal Barn Pen	
Temporary Manure Stack		Watertight Liquid Manure Tank		Solid Manure Storage Structure	
Subsurface Gasoline or Oil Tank		Waste Pond or Land Disposal Unit (Specify Type)		Other (Give Description)	
5. Well is intended to supply water for: PRIVATE USE		9. FORMATIONS			
6. DRILLHOLE		Kind From (ft.) To (ft.)			
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)		YELLOW CLAY Surface 30			
8 3/4 Surface 159 6 159 235		BLUE CLAY 30 140			
		CLAY HARD STONEY 140 159			
7. CASING, LINER, CURBING AND SCREEN		LIME ROCK 159 235			
Material, Weight, Specification & Method of Assembly		WATER BEARING 190			
Dia. (in.) From (ft.) To (ft.)					
6 NEW STEEL PIPE Surface 159					
THREADED AND COUREED					
ASTM A-53					
19.45 LBS. PER					
FOOT.					
8. GROUT OR OTHER SEALING MATERIAL		10. TYPE OF DRILLING MACHINE USED			
Kind From (ft.) To (ft.)		<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary-hammer w/drilling mud & air <input type="checkbox"/> Jetting with			
CLAY SLURRY Surface 159		<input type="checkbox"/> Rotary-air w/drilling mud <input type="checkbox"/> Rotary-hammer & air <input type="checkbox"/> Air			
		<input checked="" type="checkbox"/> Rotary-w/drilling mud <input type="checkbox"/> Reverse Rotary <input type="checkbox"/> Water			
		Well construction completed on 3/19 19 86			
11. MISCELLANEOUS DATA		Well is terminated 15 inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below			
Yield Test: 6 Hrs. at 15 GPM		Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth from surface to normal water level 80 Ft.		Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Depth of water level when pumping 90 Ft. Stabilized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Water sample sent to RACINE HEALTH DEPT. laboratory on 3/19 19 86					
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.					
Signature John Kizan		Complete Mail Address 23900 OVERSON Rd Union Grove, Wis			
Registered Well Driller					

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

DEC 3 1981

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

1. COUNTY <u>MILWAUKEE</u>			CHECK ONE <input type="checkbox"/> Town <input type="checkbox"/> Village <input checked="" type="checkbox"/> City			NAME <u>CUDAHY</u>		
2. LOCATION - 1/4 Section <u>NE</u> Section <u>27</u> Township <u>6N</u> Range <u>22E</u>						3. OWNER AT TIME OF DRILLING <u>RICARD LEIGH</u>		
OR - Grid or street no. <u>5015 So.</u>			Street name <u>WHITNALL AVE</u>			ADDRESS <u>5015 So. WHITNALL AVE</u>		
AND - If available subdivision name, lot & block no.						POST OFFICE <u>CUDAHY, Wisconsin</u>		
4. Distance in feet from well to nearest: (Record answer in appropriate block)			BUILDING C. I.	SANITARY TILE	SEWER C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	WASTE WATER DRAIN C. I.
<u>25</u>			<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>
CLEAR WATER DRAIN C. I.	SEPTIC TANK TILE	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>
OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.) <u>NONE</u>								
5. Well is intended to supply water for: <u>BODY SHOP</u>								
6. DRILLHOLE						9. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
<u>10</u>	<u>Surface</u>	<u>99</u>	<u>6</u>	<u>99</u>	<u>158</u>	<u>SANDY CLAY</u>	<u>Surface</u>	<u>36</u>
						<u>SAND</u>	<u>36</u>	<u>41</u>
7. CASING, LINER, CURBING, AND SCREEN								
Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)					
<u>6</u>	<u>P.C. New Steel</u> <u>18.97 # per ft</u> <u>ASTM-A-3</u> <u>U.S. STEEL</u>	<u>Surface</u>	<u>99</u>					
8. GROUT OR OTHER SEALING MATERIAL						10. TYPE OF DRILLING MACHINE USED		
Kind		From (ft.)	To (ft.)					
<u>DRILLING MUD</u>		<u>Surface</u>	<u>99</u>					
				<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary		
				<input checked="" type="checkbox"/> Rotary - air w/drilling mud	<input type="checkbox"/> Rotary - hammer with drilling mud & air	<input type="checkbox"/> Jetting with Air		
				Well construction completed on <u>3/5</u> 19 <u>81</u>				
11. MISCELLANEOUS DATA				Well is terminated <u>12</u> inches <input checked="" type="checkbox"/> above final grade <input type="checkbox"/> below				
Yield test:	<u>42</u>	Hrs. at	<u>30</u>	GPM				
Depth from surface to normal water level <u>25</u> ft.				Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Depth to water level when pumping <u>60</u> ft.				Well sealed watertight upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Water sample sent to <u>Sommer-Frey</u>						laboratory on: <u>6/1</u> 19 <u>81</u>		
Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., shall be given on reverse side.								
SIGNATURE <u>Samuel Beyer</u>				COMPLETE MAIL ADDRESS <u>809 So. 85 St. West, Wis.</u>				
Registered Well Driller								
Please do not write in space below								
COLIFORM TEST RESULT		GAS - 24 HRS.		GAS - 48 HRS.		CONFIRMED		REMARKS

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
 Date of Report: 01/25/96
 Project Number: 09526986
 Lab ID: 95-0018632
 Lab Matrix: GW
 Account Number: 923
 Date Collected: 12/21/95 08:30
 Collected By: Client
 Date Received: 12/21/95 10:25
 C of C Number: 18916
 Temperature: Received on Ice.

Attention: Lisa Broderick
 Wisconsin Air National Guard
 1723 E. Grange Avenue
 Milwaukee WI 53207-6149

Sample Desc: GP95017/ABCDE/Groundwater/Site #0072-GP-030/2100 E. Grange Ave/Gumowski

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO ₃	<500	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0D	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	0.032	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96



Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018632
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18916
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95017/ABCDE/Groundwater/Site #0072-GP-030/2100 E. Grange Ave/Gumowski

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo (a, h) anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno (1, 2, 3, c, d) pyrene	0.019	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	0.017	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit.

J = Estimated below the Quantitation Limit.

Elevated Detection Limits :

@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96

Date of Report: 01/25/96
 Project Number: 09526986
 Lab ID: 95-0018633
 Lab Matrix: GW
 Account Number: 923
 Date Collected: 12/21/95 07:30
 Collected By: Client
 Date Received: 12/21/95 10:25
 C of C Number: 18909
 Temperature: Received on Ice.

Attention: Lisa Broderick
 Wisconsin Air National Guard
 1723 E. Grange Avenue
 Milwaukee WI 53207-6149

Sample Desc: GP95018/ABCDE/Groundwater/Site #0072-GP-031/2121 E. Grange Ave/Schmanz

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO ₃	<500	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96



Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018633
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 07:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18909
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95018/ABCDE/Groundwater/Site #0072-GP-031/2121 E. Grange Ave/Schmanz

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo (a,h) anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno (1,2,3,c,d) pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.

Elevated Detection Limits :


@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:


Authorized Signatory

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018634
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 09:00
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18907
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95019/ABCDE/Groundwater/Site #0072-GP-032/2130 E. Grange Ave/Mama Bear's

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO ₃	250000	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
 Date of Report: 01/25/96
 Project Number: 09526986
 Lab ID: 95-0018634
 Lab Matrix: GW
 Account Number: 923
 Date Collected: 12/21/95 09:00
 Collected By: Client
 Date Received: 12/21/95 10:25
 C of C Number: 18907
 Temperature: Received on Ice.

Attention: Lisa Broderick
 Wisconsin Air National Guard
 1723 E. Grange Avenue
 Milwaukee WI 53207-6149

Sample Desc: GP95019/ABCDE/Groundwater/Site #0072-GP-032/2130 E. Grange Ave/Mama Bear's

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo (a,h) anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno (1,2,3,c,d) pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
 All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit.

J = Estimated below the Quantitation Limit.

Elevated Detection Limits :

@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory



Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018635
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:45
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18908
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95020/ABCDE/Groundwater/Site #0072-GP-033/2128 E. Grange Ave/Zalske

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO ₃	250000	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018635
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:45
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18908
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95020/ABCDE/Groundwater/Site #0072-GP-033/2128 E. Grange Ave/Zalske

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo (a, h) anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno (1, 2, 3, c, d) pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit.

J = Estimated below the Quantitation Limit.

Elevated Detection Limits :


@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:


Authorized Signatory

Final Report

ENVIRONMENTAL
LABORATORIES INC.

Printed On: 01/25/96
Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018636
Lab Matrix: GW
Account Number: 923
Date Collected: 12/20/95 00:00
Collected By: Client
Date Received: 12/21/95 10:30
C of C Number: 18916
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: Trip Blank/Groundwater/Site #0072-GP

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.

D = Detected below the Quantitation Limit.

J = Estimated below the Quantitation Limit.

Elevated Detection Limits :


@ = Due to matrix interference.

= Due to sample concentration.

\$ = Due to sample quantity.

+ = Due to extract volume.

Reviewed and Approved by:


Authorized Signatory



ENVIRONMENTAL
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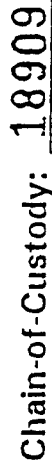
Wis. Air Nat'l Guard

Chain-of-Custody: 18916

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Page 1 of 5

(1) CLIENT: 1723 E. Grange Avenue Milwaukee, WI 53207-6149 PROJECT NAME: 0072-6P-030 Sampling well water PROJECT MANAGER: LISA D. BRODERICK, SBA AISC: 41051 SAMPLER: STATE ENGINEERING TECHNOLOGY P.O. #		(3) USE STATE WPDES NPDES RCRA PECPA OTHER		(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)										LAB USE ONLY WORK ORDER #													
(2) SAMPLE IDENTIFICATION		DATE		TIME		COMPOSITE		# OF CONTAINERS		SOIL		GROUND WATER		WASTE		WASTEWATER		OTHER		PRESERVATION TYPE		(6)		G-RD P-RO D-RO P-H P-B Hardness		ACCT # 923 DATE 12/21/95 TEMP 19.1 (RO) CBC PROJECT NO.	
11) GP95017		12/21		8:30 AM		X		4		X		X		X		X		HCL		X		40ml, on ice		Returned		40ml, on ice	
12) GP95017A		12/21		8:30 AM		X		4		X		X		X		X		HCL		X		40ml, on ice		Returned		40ml, on ice	
13) GP95017B		12/21		8:15 AM		X		2		X		X		X		X		HCL		X		1 liter Amber, on ice		Returned		1 liter Amber, on ice	
14) GP95017C		12/21		8:15 AM		X		2		X		X		X		X		HNO3		X		250ml, on ice		Returned		250ml, on ice	
15) GP95017D		12/21		8:15 AM		X		1		X		X		X		X		HNO3		X		250ml, on ice		Returned		250ml, on ice	
16) GP95017E		12/21		8:15 AM		X		1		X		X		X		X		HNO3		X		250ml, on ice		Returned		250ml, on ice	
17) Trip Blank		12/20/95																								18636	
18)																											
TURNAROUND TIME IN WORKING DAYS NORMAL * 1 * 2 * 3 * 4 * 5 * 6 * 7 * 8 * 9 * 10 * FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460 EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE FAX # N/A PHONE # N/A																											
DATA PACKAGE OPTIONS AVAILABLE FOR A FEE (PLEASE CIRCLE IF REQUIRED) SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS PACKAGE A B																											
OTHER SPECIAL INSTRUCTIONS: Site # 0072-6P-030 3100 E. Grange Ave. (Gumowski)																											
IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL: NAME: LISA BRODERICK PHONE # 747-4103 SEND REPORTS TO 128th Medical Squadron 1723 E. Grange Avenue Milwaukee, WI 53207-6149																											



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128th Medical Squadron

(1) CLIENT: 1723 E. Grange Avenue

Milwaukee, WI 53207-6149

PROJECT NAME/#: CQ73-CP-031

Σύντομος

PRODUCTION MANAGER

DEFINITION OF THE PROBLEM

MOVING TOWARD A SAMPLE-TEACHING TECHNIC

P.O. #

(2) SAMPLE IDENTIFICATION	DATE
(1) GP95018	12/21
(2) GP95018A	12/21
(3) GP95018B	12/21
(4) GP95018C	12/21
(5) GP95018D	12/21
(6) GP95018E	12/21
(7)	
(8)	

TURNAROUND TIME IN WORKING DAYS

NORMAL 1 2 3 4 5 6 7 8 9 10

FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO

CONFIRM AVAILABILITY AT 414-768-7460

EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX

PHONE # 121A

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE

(PLEASE CIRCLE IF REQUIRED)

SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS

OTHER SPECIAL INSTRUCTIONS:

9149. #10073-34-0.31

2177 N. L. 1515

2000

12

[illegible]

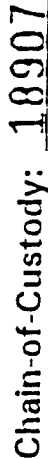
TURNAROUND TIME IN WORKING DAYS										RELINQUISHED BY		RECEIVED BY		DATE		TIME	
NORMAL 1 * 2 * 3 * 4 * 5 * 6 * 7 * 8 * 9 * 10																	
* FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460 EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE FAX # <u>N/A</u> PHONE # <u>N/A</u>										<u>Broderick</u> <u>Lofton Seager</u>		<u>Lofton Seager</u> <u>To Lab</u>		<u>12/21/95</u> <u>12/21/95</u>		<u>10:25 AM</u> <u>10:30 AM</u>	

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE (PLEASE CIRCLE IF REQUIRED)		PACKAGE A		PACKAGE B	
SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS					

IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL:

NAME: Lisa

SEND REPORTS TO



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 (24hr) Tired? Call 800-422-2195

Page 3 of 5

(1) CLIENT: 128th Medical Squadron 1723 E. Grange Avenue Milwaukee, WI 53207-6149 PROJECT NAME/#: 0072-6P-032 SAMPLING WELL PROJECT MANAGER: SAMPLER: P.O. #		(3) UST STATE WPDES NPDES RCRA EPCRA OTHER		(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)										LAB USE ONLY WORK ORDER #									
(2) SAMPLE IDENTIFICATION		DATE		TIME		GRAB COMPOSITE		# OF CONTAINERS		SOIL		GROUND WATER		WASTE WATER		OTHER		PRESERVATION		(6)		ACCT # 923 DATE 12/21/95 TEMP 1 NR V ROI CBC PROJECT NO.	
(1) GP95019		12/21		09:00 AM		X		4				X						HCL		X		40ml Return to field	
(2) GP95019A				09:00 PM		X		4				X						HCL				40ml	
(3) GP95019B				09:00 PM		X		2				X						HCL		X		1 liter Amber	
(4) GP95019C				09:00 PM		X		2				X						UNPRES		X		1 liter Amber	
(5) GP95019D				09:00 PM		X		1		X								HNO3		X		250ml	
(6) GP95019E				09:00 PM		X		1		X								HNO3				250ml	
(7)				AM/PM																			
(8)				AM/PM																		18634	
TURNAROUND TIME IN WORKING DAYS (NORMAL) 1 * 2 * 3 * 4 * 5 * 6 * 7 * 8 * 9 * 10 * FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460 EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE FAX # 1214 PHONE # 214																							
DATA PACKAGE OPTIONS AVAILABLE FOR A FEE (PLEASE CIRCLE IF REQUIRED) SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS PACKAGE A B																							
OTHER SPECIAL INSTRUCTIONS: Sub #: 0072-6P-032 (Mona Garb) 2130 E. Grange																							
IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL: NAME: LISA PRODERICK PHONE # 747-4103 128th Medical Squadron SEND REPORTS TO																							



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Chain-of-Custody: 18908

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Page 4 of 5

(1) CLIENT: 128th Medical Squadron -1723 E. Grange Avenue Milwaukee, WI 53207-6149 PROJECT NAME: GP-033 Sampling Well PROJECT MANAGER: SAMPLER: L Broderick P.O. #		(3) UST STATE WPDES NPDES RCRA PECFA OTHER		(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)										(6) LAB USE ONLY WORK ORDER #																																							
(2) SAMPLE IDENTIFICATION		DATE		TIME		GRAB COMPOSITE		# OF CONTAINERS		SOIL		GROUND WATER		WASTE		WASTEWATER		OTHER		PRESERVATION TYPE		(6)		PVC DRO PAH PB NACHES		ACCT # 923 DATE 12/21/95 TEMP 1 NR CBC PROJECT NO.																											
1) GP95030		12/21		09:05 AM		X		1		X		X								HCL		X				40ml Returned																											
2) GP95030A				09:05 PM		X		4		X		X								HCL		X				40ml																											
3) GP95030B				08:45 PM		X		2		X		X								HCL		X				12 Amber																											
4) GP95030C				08:45 PM		X		2		X		X								UNPRES		X				12 Amber																											
5) GP95030D				08:45 PM		X		1		X		X								HNO3		X				250ml																											
6) GP95030E				08:45 PM		X		1		X		X								HNO3		X				250ml																											
(7)				AM/PM																						18035																											
(8)				AM/PM																																																	
TURNAROUND TIME IN WORKING DAYS NORMAL 1 * 2 * 3 * 4 * 5 * 6 * 7 * 8 * 9 * 10 * FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460 EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE FAX # N/A PHONE # N/A																										RELINQUISHED BY L Broderick 12/21 10:15 AM L Ann Seager 12/21 10:30 AM To Lab		RECEIVED BY L Ann Seager 12/21 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM		DATE 12/21 10:25 AM		TIME 10:25 AM	
DATA PACKAGE OPTIONS AVAILABLE FOR A FEE (PLEASE CIRCLE IF REQUIRED) SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS PACKAGE A B																										IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL: NAME: LISA BRODERICK PHONE # 747-4103 SEND REPORTS TO 128th Medical Squadron 1723 E. Grange Avenue MILWAUKEE, WI 53207-6149																											
OTHER SPECIAL INSTRUCTIONS: Sub ID #: GP-033 2138 E. Grange Ave (2ae5ke)																																																					